USAFETAC/DS--91/254

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SURFACE OBSERVATION CLIMATIC SUMMARIES

FOR

FORT DEVENS AIN, MA

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723

SEPTEMBER 1991

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13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.

14. SUBJECT TERMS: CLIMATOLOGY, METEOROLOGICAL DATA, ATMOSPHERIC PHENOMENA, WEATHER, SOCS, FORT DEVENS AIN, MASSACHUSETTS, CEILING, CLOUD COVER, SNOW DEPTH, HUMIDITY, PRESSURE, PRECIPITATION, SNOW TEMPERATURE, VISIBILITY, WIND.

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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY OBSERVATIONS: MAY 80 - APR 90 (AIRWAYS).

SUMMARY OF DAY DATA: OCT 60 - SEP 63, JAN 74 - APR 90 (PART TIME).

HOURS SUMMARIZED: 0600 LST THROUGH 2000 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/ OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

0000-0200	1200-1400
0300-0500	1500-1700
0600-0800	1800-2000
0900-1100	2100-2300

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

AMT	AMOUNT	LT	LESS THAN
ANN	ANNUAL	M	METER
BARO	BAROMETER	MB	MILLIBAR
C	CENTIGRADE (CELSIUS)	MPS	METERS PER SECOND
DEG	DEGREE	MSL	MEAN SEA LEVEL
DB	DRY BULB TEMPERATURE	MEAS	MEASURABLE
DP	DEW POINT TEMPERATURE	NO.	NUMBER
EQ	EQUAL	OBS	OBSERVATION
F	FAHRENHEIT	OBST	OBSTRUCTION
FRZG	FREEZING	POF	PERCENT OCCURRENCE FREQUENCY
FT	FEET	PRECIP	PRECIPITATION
GE	GREATER THAN OR EQUAL TO	SD	STANDARD DEVIATION
GMT	GREENWICH MEAN TIME	SOD	SUMMARY OF DAY
GT	GREATER THAN	TEMP	TEMPERATURE
HG	INCHES OF MERCURY	TSTM	THUNDERSTORM
HT	HEIGHT	VSBY	VISIBILITY
KTS	KNOTS	VSN	VISION
LE	LESS THAN OR EQUAL TO	WB	WET BULB TEMPERATURE
LST	LOCAL STANDARD TIME	WBAN	AWS FORM 10/10A
		UTC	*COORDINATED UNIVERSAL TIME

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FLD ELEV (FT)	CALL SIGN	WMO NMBR
744905	FORT DEVENS/AYER, MA	N 42 34	W 071 36	268	AYE	

STATION LOCATION AND INSTRUMENTATION HISTORY

Nmbr of Loc	GEOGRAPHICAL LOCATION & NAME	Type of Station	At This Location From	At This Location To	LATITUDE	LONGITUDE	Elev Above MSL FLD (FT)	Elev Above MSL BARO (FT)	OBS PER DAY
1	Fort Devens/Ayer, MA	AAF	Oct 60	Sep 61	N 42 34	W 071 36	268	285	10
2	Same Deact Oct 63 to 30 Jan 74	Same	Oct 61	Sep 63	Same	Same	Same	Same	24
3	Same	AAF	Jan 74	Dec 74	Same	Same	Same	Same	11
4	Same	Same	Jan 75	Dec 76	Same	Same	Same	Same	13
5	Same	Same	Jan 77	Dec 81	Same	Same	268	268	13
6	Same	Same	Jan 82	Jan 88	Same	Same	Same	Same	15

Nmbr of Loc	Date of Change	SURFACE WIND EQUIPMENT INFORMATION: LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
1	Oct 60	Atop hangar on Bldg P-167	AN/GMQ-11	None	55 ft	
2	Sep 61	Same	Same	RO-2	Same	
3	Dec 76	Same	AN/GMQ-20	RO-362	13 ft	
4	Dec 84	500'E of N end rwy 14/32	Same	Same	Same	
5	Jan 88	Same	Same	Same	Same	

3

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT              AAAAAA
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT             AAAAAAAA
PP      PP     AA      AA   RR      RR        TT               AA      AA
PP      PP     AA      AA   RR      RR        TT               AA      AA
PPPPPPPPP      AA      AA   RRRRRRRRR         TT               AA      AA
PPPPPPPP       AAAAAAAAAA   RRRRRRRR          TT               AAAAAAAAAA
PP             AAAAAAAAAA   RR    RR          TT               AAAAAAAAAA
PP             AA      AA   RR     RR         TT               AA      AA
PP             AA      AA   RR      RR        TT               AA      AA
PP             AA      AA   RR       RR       TT               AA      AA
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PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).
THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.
THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.
THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												1
06-08		3.1	.9	10.5		14.5	23.1	2.1	.6		40.3	705
09-11		2.7	1.1	12.1		16.0	20.8	5.8	.6		43.2	876
12-14		4.6	.8	10.6		16.0	14.2	4.7	.1		35.0	869
15-17		5.0	.5	9.5		15.0	13.8	3.3	.1		32.3	818
18-20		3.6	.6	7.3		11.5	11.1	1.7			24.2	660
21-23		2.4		4.9		7.3	11.0				18.3	82
ALL HOURS		3.8	.8	10.0		14.6	16.5	3.6	.3		35.0	4011

MONTH: FEB

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												4
03-05												3
06-08		8.8	2.3	6.6		17.7	22.1	1.8	.2		41.7	662
09-11		9.1	1.9	9.2		20.1	18.4	2.2	.5		41.2	805
12-14		8.6	.8	8.1		17.5	15.5	1.8	.5		35.3	800
15-17	.1	10.2	.7	7.4		18.2	15.4	1.5	.5		35.6	758
18-20	.3	9.6	1.0	6.8		17.3	17.3	1.1			35.8	617
21-23		5.1	1.3	3.8		10.3	12.8				23.1	78
ALL HOURS	.1	9.1	1.3	7.6		18.0	17.5	1.7	.3		37.5	3727

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05				100.0		100.0					100.0	2
06-08		10.3	.5	7.3		18.2	21.4	1.8			41.4	765
09-11		9.4	.4	5.9		15.7	16.0	2.1			33.8	918
12-14		9.5	.1	6.2		15.8	13.1	1.9	.2		31.0	916
15-17		11.3	.1	4.9		16.4	11.5	1.3			29.1	873
18-20		11.8	.6	4.1		16.4	12.9	.8			30.1	714
21-23		16.1	1.1	3.4		20.7	16.1				36.8	87
ALL HOURS		10.5	.4	5.7		16.6	14.9	1.6	.0		33.1	4275

MONTH: APR

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		100.0				100.0					100.0	2
03-05		19.8				19.8	35.4				55.2	96
06-08	.1	16.9		1.8		18.7	23.8	.8	.4		43.7	780
09-11		17.8		1.3		19.1	17.4	1.5	.3		38.3	870
12-14	.3	15.0		1.1		16.2	12.4	2.1	.3		31.0	871
15-17		15.4		1.5		16.9	12.7	1.1	.4		31.1	803
18-20		13.9		1.8		15.8	14.6	1.0	.5		31.9	596
21-23		15.9		1.4		17.4	15.9	1.4	1.4		36.2	69
ALL HOURS	.1	16.1		1.4		17.5	16.6	1.3	.4		35.8	4087

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		100.0				100.0	100.0				100.0	1
03-05		18.3				18.3	41.4	2.1			61.8	191
06-08	.1	15.7				15.7	27.0	3.7			46.4	834
09-11		14.7				14.7	17.0	3.3			35.0	852
12-14	.5	13.3				13.3	13.5	3.3			30.0	852
15-17	1.2	13.7				13.7	13.1	2.1			29.0	815
18-20	1.5	13.5				13.5	14.2	2.6			30.3	548
21-23		7.0				7.0	16.3	2.3			25.6	43
ALL HOURS	.6	14.4				14.4	18.3	3.0			35.6	4136

MONTH: JUN

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												1
03-05		12.4				12.4	40.2	5.2			57.7	194
06-08	.8	14.6				14.6	29.5	10.1			54.1	859
09-11	.6	12.7				12.7	18.8	12.3			43.8	876
12-14	.8	12.5				12.5	13.4	12.9			38.8	874
15-17	1.6	12.6				12.6	13.3	11.5			37.5	825
18-20	1.3	9.3				9.3	12.2	9.3			30.9	547
21-23		7.8				7.8	13.7	3.9			25.5	51
ALL HOURS	.9	12.5				12.5	18.9	11.0			42.4	4227

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	1.6	8.9				8.9	46.3	10.0			65.3	190
06-08	.6	8.6				8.6	31.6	16.9			57.1	846
09-11	.8	10.0				10.0	14.4	20.2			44.6	861
12-14	1.5	8.1				8.1	9.1	18.5			35.7	859
15-17	2.9	7.6				7.6	7.9	21.2			36.7	815
18-20	3.2	8.3				8.3	7.9	17.9			34.0	532
21-23	2.4						12.2	14.6			26.8	41
ALL HOURS	1.7	8.5				8.5	16.1	18.6			43.2	4144

MONTH: AUG

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05	1.0	5.5				5.5	54.3	7.0			66.8	199
06-08	.1	8.0				8.0	35.5	13.2			56.6	888
09-11	.2	8.9				8.9	15.4	19.9			44.2	915
12-14	.5	6.6				6.6	8.9	17.9			33.3	912
15-17	2.5	8.6				8.6	9.1	16.3			34.0	853
18-20	1.6	6.0				6.0	14.0	12.7			32.7	566
21-23		1.9				1.9	7.7	9.6			19.2	52
ALL HOURS	.9	7.5				7.5	18.4	15.8			41.7	4385

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02		75.0				75.0	75.0				100.0	4
03-05		12.3				12.3	42.8	3.7			58.8	187
06-08		10.3				10.3	34.9	8.6			53.8	825
09-11	.1	10.0				10.0	17.4	12.6			39.9	844
12-14		8.7				8.7	10.6	11.2			30.4	842
15-17	.8	9.1				9.1	10.5	8.7			28.3	780
18-20	1.1	9.2				9.2	15.8	7.9			33.0	531
21-23	2.2	15.6				15.6	11.1				26.7	45
ALL HOURS	.3	9.7				9.7	19.2	9.6			38.5	4058

MONTH: OCT

00-02												2
03-05		11.5				11.5	37.2				48.7	156
06-08		11.2				11.2	36.2	3.3			50.8	837
09-11		10.5				10.5	19.0	5.1			34.7	883
12-14	.1	9.6				9.6	11.9	4.1			25.6	879
15-17	.1	12.3				12.3	12.1	3.4			27.8	821
18-20	.4	12.1				12.1	15.2	2.1			29.4	561
21-23		9.8				9.8	15.7				25.5	51
ALL HOURS	.1	11.1				11.1	19.7	3.6			34.3	4190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												3
06-08		16.7	.3	2.2		19.1	29.0	1.4			49.5	648
09-11		15.1	.1	2.1		17.3	20.7	1.7			39.8	807
12-14		13.8		1.4		15.2	16.2	1.7			33.1	804
15-17		13.3	.4	2.5		16.2	13.8	2.4			32.4	759
18-20		12.6	.8	2.0		15.4	17.8	1.5			34.7	597
21-23		11.2		3.1		14.3	13.3				27.6	98
ALL HOURS		14.2	.3	2.0		16.6	19.1	1.7			37.4	3716

MONTH: DEC

HOURS (LST)	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
00-02												0
03-05												0
06-08		6.2	.9	6.9		14.0	22.1	.7			36.8	692
09-11		5.1	.9	10.5		16.5	17.0	3.3	.6		37.4	847
12-14		4.7	1.2	8.7		14.6	13.5	2.5	.4		31.0	830
15-17		5.5	1.2	7.6		14.3	14.2	1.6	.3		30.4	760
18-20		5.6	1.3	7.5		14.4	15.8	1.4			31.6	557
21-23		4.1	1.4	15.1		20.5	11.0	2.7			34.2	73
ALL HOURS		5.3	1.1	8.5		15.0	16.3	2.0	.3		33.5	3759

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		3.8	.8	10.0		14.6	16.5	3.6	.3		35.0	4011
FEB	.1	9.1	1.3	7.6		18.0	17.5	1.7	.3		37.5	3727
MAR		10.5	.4	5.7		16.6	14.9	1.6	.0		33.1	4275
APR	.1	16.1		1.4		17.5	16.6	1.3	.4		35.8	4087
MAY	.6	14.4				14.4	18.3	3.0			35.6	4136
JUN	.9	12.5				12.5	18.9	11.0			42.4	4227
JUL	1.7	8.5				8.5	16.1	18.6			43.2	4144
AUG	.9	7.5				7.5	18.4	15.8			41.7	4385
SEP	.3	9.7				9.7	19.2	9.6			38.5	4058
OCT	.1	11.1				11.1	19.7	3.6			34.3	4190
NOV		14.2	.3	2.0		16.6	19.1	1.7			37.4	3716
DEC		5.3	1.1	8.5		15.0	16.3	2.0	.3		33.5	3759
ANNUAL	.4	10.2	.3	2.8		13.4	17.6	6.3	.1		37.4	48715

A - 2 - 7

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

MONTH	TSTMS	LIQUID PRECIP	FREEZ PRECIP	FROZEN PRECIP	HAIL	ALL PRECIP	FOG	SMOKE &/OR HAZE	BLOWING SNOW	DUST &/OR SAND	ALL OBST TO VSN	TOTAL NO. OF OBS
JAN		17.0	5.4	28.3		37.3	31.8	12.4	2.2		45.7	534
FEB	.6	19.6	4.9	25.1		37.3	31.0	11.8	2.8		44.8	509
MAR	1.2	26.7	1.9	20.7	.2	39.2	32.1	11.3	.3		47.9	574
APR	2.2	39.2		10.3	.2	42.6	36.1	8.3	.7		49.0	551
MAY	6.4	41.0		.4		41.0	41.0	19.0			55.7	517
JUN	9.8	38.1			.2	38.1	44.3	32.2			61.0	528
JUL	13.8	32.8			.4	32.8	43.9	40.5			60.0	528
AUG	9.3	34.7				34.7	55.2	40.3			65.7	551
SEP	3.2	32.1			.4	32.1	48.6	26.7			59.5	529
OCT	1.7	32.2		1.0		32.6	45.2	17.2			54.2	522
NOV	.4	32.6	1.2	9.9		38.7	37.9	10.3			48.6	494
DEC	.4	19.6	4.8	29.5		39.8	31.3	9.7	1.0		47.3	505
ANNUAL	4.1	30.5	1.5	10.4	.1	37.2	39.9	20.1	.6		53.3	6342

A - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5

HOURS (LST)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
00-02												
03-05							1.6	1.0				
06-08				.1	.1	.8	.6	.1				
09-11						.6	.8	.2	.1			
12-14				.3	.5	.8	1.5	.5		.1		
15-17		.1			1.2	1.6	2.9	2.5	.8	.1		
18-20		.3			1.5	1.3	3.2	1.6	1.1	.4		
21-23							2.4		2.2			
ALL HOURS		.1		.1	.6	.9	1.7	.9	.3	.1		
TOTAL OBS	4011	3727	4275	4087	4136	4227	4144	4385	4058	4190	3716	3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS								
LIQUID PRECIP	45.5		9.7	15.6	21.4	7.8		154
FREEZING PRECIP	77.4		6.5	6.5	6.5	3.2		31
FROZEN PRECIP	38.2		28.3	2.7	8.5	22.5		414
FOG	56.1		13.2	8.3	10.7	11.6		661
FOG WITH VIS GE 1/2 MILES	57.3		11.8	8.5	12.2	10.2		567
TOTAL OBS	1150	0	333	109	1013	1326	0	4011

MONTH: FEB HOURS: ALL

TSTMS			66.7		33.3			3
LIQUID PRECIP	28.7		33.7	8.3	13.6	15.7		338
FREEZING PRECIP	41.7		43.8			14.6		48
FROZEN PRECIP	31.6		38.8	4.4	2.7	22.4		294
FOG	38.7		32.5	6.9	7.7	14.2		653
FOG WITH VIS GE 1/2 MILES	37.6		32.9	7.2	8.4	13.8		595
TOTAL OBS	936	0	559	224	780	1228	0	3727

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS								
LIQUID PRECIP	17.9		44.3	9.8	9.6	18.3		458
FREEZING PRECIP	26.7		46.7			26.7		15
FROZEN PRECIP	21.1		40.1	12.1	6.1	20.6		247
FOG	31.8		35.0	11.0	10.1	12.1		635
FOG WITH VIS GE 1/2 MILES	28.7		36.3	11.2	11.0	12.8		571
TOTAL OBS	845	0	770	367	823	1470	0	4275

MONTH: APR HOURS: ALL

TSTMS	25.0		50.0			25.0		4
LIQUID PRECIP	22.1		41.4	14.2	12.1	10.3		671
FREEZING PRECIP								
FROZEN PRECIP	10.9		46.9	3.1	3.1	35.9		64
FOG	30.6		40.4	10.2	10.8	8.1		679
FOG WITH VIS GE 1/2 MILES	28.7		41.9	9.7	11.4	8.3		630
TOTAL OBS	680	0	809	536	939	1122	0	4086

A - 5 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS	26.1		8.7	30.4	21.7	13.0		23
LIQUID PRECIP	26.0		41.2	10.5	11.4	10.9		588
FREEZING PRECIP								
FROZEN PRECIP								
FOG	36.8		35.5	9.7	12.1	6.0		753
FOG WITH VIS GE 1/2 MILES	35.9		35.9	9.6	12.4	6.1		718
TOTAL OBS	866	0	846	639	1014	771	0	4136

MONTH: JUN HOURS: ALL

TSTMS	23.1		7.7	7.7	35.9	25.6		39
LIQUID PRECIP	30.6		29.2	17.8	10.8	11.6		507
FREEZING PRECIP								
FROZEN PRECIP								
FOG	38.0		23.9	18.0	12.8	7.3		795
FOG WITH VIS GE 1/2 MILES	37.5		24.2	18.0	12.8	7.5		773
TOTAL OBS	1083	0	529	442	1186	987	0	4227

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS	12.9		11.4	10.0	45.7	20.0		70
LIQUID PRECIP	36.7		25.0	11.1	20.1	7.1		324
FREEZING PRECIP								
FROZEN PRECIP								
FOG	46.0		14.2	11.2	24.9	3.7		668
FOG WITH VIS GE 1/2 MILES	45.0		14.4	11.3	25.4	3.9		645
TOTAL OBS	1176	0	352	361	1312	943	0	4144

MONTH: AUG HOURS: ALL

TSTMS	32.5		2.5	15.0	27.5	22.5		40
LIQUID PRECIP	34.3		27.9	11.5	16.3	9.9		312
FREEZING PRECIP								
FROZEN PRECIP								
FOG	51.6		17.2	7.[illegible]	18.8	5.3		797
FOG WITH VIS GE 1/2 MILES	50.0		17.7	7.4	19.5	5.3		768
TOTAL OBS	1330	0	521	387	1257	890	0	4385

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS	28.6		14.3		42.9	14.3		14
LIQUID PRECIP	32.4		37.2	7.3	7.1	15.9		395
FREEZING PRECIP								
FROZEN PRECIP								
FOG	51.2		22.7	8.0	10.1	8.0		775
FOG WITH VIS GE 1/2 MILES	49.5		23.4	8.3	10.4	8.4		713
TOTAL OBS	1340	0	462	318	1041	897	0	4058

MONTH: OCT HOURS: ALL

TSTMS	25.0		25.0		50.0			4
LIQUID PRECIP	39.3		26.5	11.3	10.3	12.6		468
FREEZING PRECIP								
FROZEN PRECIP								
FOG	56.7		17.4	8.4	11.2	6.4		824
FOG WITH VIS GE 1/2 MILES	53.2		18.9	8.8	12.3	6.9		741
TOTAL OBS	1393	0	528	381	979	909	0	4190

A - 5 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS								
LIQUID PRECIP	31.6		21.1	10.2	16.9	20.2		531
FREEZING PRECIP	63.6		18.2			18.2		11
FROZEN PRECIP	22.4		28.9		7.9	40.8		76
FOG	45.4		18.9	8.2	11.4	16.1		709
FOG WITH VIS GE 1/2 MILES	40.6		20.5	9.1	12.8	17.0		635
TOTAL OBS	998	0	348	227	963	1180	0	3716

MONTH: DEC HOURS: ALL

TSTMS								
LIQUID PRECIP	42.9		19.7	6.9	14.3	16.3		203
FREEZING PRECIP	36.6		41.5	2.4		19.5		41
FROZEN PRECIP	37.2		22.3	5.8	9.5	25.3		328
FOG	51.9		19.5	4.6	9.7	14.3		609
FOG WITH VIS GE 1/2 MILES	50.4		20.8	4.3	10.0	14.5		559
TOTAL OBS	1202	0	311	117	909	1220	0	3759

A - 5 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTHS: ALL

PHENOMENA	CALM	VARIABLE	360 - 089	090 - 179	180 - 270	271 - 359		NO OF OBS
TSTMS	21.8		10.7	11.7	36.0	19.8		197
LIQUID PRECIP	30.3		32.1	11.4	12.9	13.3		4949
FREEZING PRECIP	47.9		33.6	2.1	1.4	15.1		146
FROZEN PRECIP	31.6		32.0	5.3	6.8	24.4		1423
FOG	44.8		24.0	9.4	12.6	9.2		8558
FOG WITH VIS GE 1/2 MILES	43.0		24.8	9.6	13.4	9.3		7915
TOTAL OBS	12999	0	6368	4188	12216	12943	0	48714

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT        BBBBBBBBB
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT        BBBBBBBBBB
PP      PP     AA    AA     RR     RR        TT            BB      BB
PP      PP     AA    AA     RR     RR        TT            BB      BB
PPPPPPPPP      AA    AA     RRRRRRRRR        TT            BBBBBBBBBB
PPPPPPPP       AAAAAAAAAA   RRRRRRRR         TT            BBBBBBBBBB
PP             AAAAAAAAAA   RR    RR         TT            BB      BB
PP             AA    AA     RR     RR        TT            BB      BB
PP             AA    AA     RR      RR       TT            BBBBBBBBBB
PP             AA    AA     RR       RR      TT            BBBBBBBBB
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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED *IN STATISTICAL COMPUTATIONS. NOTE:* LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN POR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

AIR FORCE		NAVY AND NATIONAL WEATHER SERVICE	
THROUGH 1945:	0800 LST	THROUGH JUN 1952:	0030 GMT
JAN 1946 TO MAY 1957:	1230 LST	JUN 1952 TO MAY 1957:	1230 GMT
JUN 1957 TO PRESENT:	1200 GMT	JUN 1957 TO PRESENT:	1200 GMT

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	52.9	53.1	51.7	44.6	46.6	50.7	54.2	54.5	57.6	56.0	50.8	47.7	51.7
TRACE	14.6	14.4	14.7	14.8	13.1	13.0	11.2	11.9	10.6	11.3	14.2	19.2	13.6
.01	3.6	2.1	1.8	3.0	2.4	1.6	2.9	2.4	1.9	2.6	2.5	2.1	2.4
.02-.05	6.4	5.4	7.3	6.9	7.6	7.9	6.3	6.4	5.7	7.0	4.2	6.4	6.5
.06-.10	2.9	5.3	4.7	5.9	6.3	5.2	4.9	4.2	3.3	2.8	3.5	5.5	4.5
.11-.25	5.2	6.9	6.5	8.2	9.8	7.8	6.3	8.0	6.3	6.6	7.9	4.9	7.0
.26-.50	5.4	5.3	4.8	7.6	6.4	6.3	5.8	3.6	4.3	3.9	5.0	6.2	5.4
.51-1.00	5.5	4.7	5.3	5.6	5.7	4.2	5.4	5.5	6.1	4.3	8.1	4.5	5.4
1.01-2.50	3.4	2.8	3.2	3.1	2.0	2.9	3.1	3.3	4.1	5.1	3.8	3.4	3.3
2.51-5.00	.2			.3	.2	.4		.2	.2	.4		.2	.2
5.01-10.00													
10.01-20.00													
OVER 20.00													
DAYS WITH MEAS AMTS	32.5	32.5	33.7	40.6	40.3	36.3	34.7	33.5	31.9	32.7	35.0	33.1	34.7
TOTAL NO. OF OBSERVATIONS	560	533	600	576	543	554	554	576	540	532	520	532	6622

B - 2 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										.80*	2.14*	3.90*	6.84*
61	2.12*	1.30*	2.25*	3.78*	3.44*	2.93*	1.90*	3.01*	5.35*	1.03*	4.12	3.85	35.08*
62	2.64	3.81	1.90	3.82	2.65	1.93	3.06	6.40	4.36	9.24	3.30	3.91	47.02
63	2.47	2.66	3.96	1.90	2.03	1.48	1.05	1.60	3.68				20.83*
74	TRACE*	1.96*	1.70*	2.23*	2.77*	3.01*	1.79*	2.45	9.94	2.49*	3.10	5.27	36.71*
75	4.30	3.81	3.24	2.51	2.63	3.60	3.51	6.18	7.48	5.09	4.92	4.93*	52.20*
76	4.93	2.40	2.26	2.83	2.64	.93	3.04	5.87	1.96	4.81	1.06	2.73	35.46
77	3.92	2.69	5.38	4.53	1.54	4.67	3.07	2.79	5.90	5.18	5.18	5.92*	50.77*
78	8.43	1.16	2.70	2.29	2.99	3.88	3.03	4.96	1.14	3.31	2.42*	3.63*	39.94*
79	11.27	2.69	4.77	4.95	4.83	.83	4.51	5.34	3.17	5.73	3.76	1.39*	53.24*
80	.77	1.09	6.62	5.88	2.38	3.61	3.65	1.35	1.90	3.86	4.96	.86	36.93
81	1.12	7.16	.50	4.11	3.14	4.02	5.81	2.16	4.67	5.15	4.39	5.83	48.06
82	4.14	3.30	3.33	3.49	3.15	11.75	4.64	2.87	3.59	3.33	4.71	1.08*	49.38*
83	3.96	4.64	11.11	7.87	6.07	2.59	2.07	3.91	1.16	4.66	9.84	6.48	64.36
84	2.52	5.52	5.10	4.32	9.83	3.90	4.08	1.02	.80	4.32	3.31	3.19	47.91
85	1.21	2.30	2.68	2.09	3.20	3.33	4.48	6.90	4.84	3.17	6.52	1.64	42.36
86	4.35	2.47	4.19	2.07	1.54	6.81	5.99	4.10	1.61	2.24	3.95	6.69	46.01
87	4.98	.05	3.45	11.12	.96	3.19	1.41	3.25	6.52	3.77	3.05	2.13	43.88
88	2.36	2.92	2.35	3.18	3.95*	1.18*	6.42*	3.34	2.34*	3.36	6.89*	1.06*	39.35*
89	.77	2.43	2.45	4.14	6.56*	5.12	3.83*	4.98	6.68*	6.26*	3.40*	.67*	47.29*
90	4.73	4.09	1.89	4.50									15.21*

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.77	.05	.50	1.90	.96	.83	1.05	1.02	.80	2.24	1.06	.86	35.46
GREATEST	11.27	7.16	11.11	11.12	9.83	11.75	6.42	6.90	9.94	9.24	9.84	6.69	64.36
MEAN	3.83	3.07	3.77	4.20	3.30	3.85	3.56	3.86	3.92	4.48	4.41	3.87	45.78
MEDIAN	3.94	2.69	3.29	3.97	2.65	3.61	3.51	3.63	3.64	4.32	4.12	3.85	46.01
SD	2.663	1.651	2.355	2.292	2.208	2.619	1.423	1.830	2.585	1.632	1.948	1.985	8.342
TOTAL OBS	560	533	600	576	543	554	554	578	540	532	520	532	6622

THE GREATEST VALUE OF 11.75 OCCURRED ON 06/82

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										.80*	.80*	2.13*	2.13*
61	1.77*	.89*	.98*	1.44*	.93*	.81*	.92*	1.44*	3.26*	.70*	1.19	1.49	3.26*
62	1.23	.95	1.32	1.37	.78	.79	1.23	1.88	2.04	3.36	1.31	1.69	3.36
63	.71	1.00	1.16	.57	.78	.35	.45	.28	1.89				1.89*
74	TRACE*	.70*	1.66*	.79*	.87*	1.57*	.72*	.72	2.46	1.25*	.70	1.72	2.46*
75	.95	1.02	1.07	.92	1.13	1.55	1.25	2.51	2.13	2.13	2.20	1.66*	2.51*
76	1.15	.96	.68	.91	.92	.40	1.36	1.42	.80	2.01	.34	.76	2.01
77	1.41	1.50	1.73	1.61	.51	1.06	.93	1.84	1.76	1.66	1.25	1.39*	1.84*
78	1.69	1.12	1.15	.69	1.02	1.22	.73	2.19	.54	1.49	.63*	.93*	2.19*
79	3.12	.95	1.41	1.84	1.37	.33	1.21	1.33	1.18	1.94	1.90	.56*	3.12*
80	.67	.39	1.86	2.51	.98	2.14	1.52	.55	.79	1.57	1.57	.48	2.51
81	.46	1.72	.21	1.32	.80	1.70	1.51	.83	1.25	1.32	.92	1.55	1.72
82	1.36	1.52	.57	.68	.99	3.41	2.05	2.08	.84	1.95	2.00	.67*	3.41*
83	1.71	1.60	2.02	1.40	1.25	1.31	.74	1.64	.99	1.46	2.31	1.50	2.31
84	.81	1.23	1.33	1.49	2.95	1.75	1.66	.74	.28	1.78	1.11	1.13	2.95
85	.59	1.42	1.11	.63	1.04	.59	1.76	2.09	1.40	1.36	2.24	.66	2.24
86	1.52	.76	1.48	.37	.45	2.51	1.63	1.54	.55	1.04	1.72	2.65	2.65
87	1.10	.05	1.76	3.60	.21	1.32	.88	1.06	1.24	1.68	1.19	.62	3.60
88	.82	1.04	1.28	1.11	1.04*	.45*	1.72*	1.02	2.20*	2.25	2.03*	.61*	2.25*
89	.28	1.16	.85	1.28	1.73*	1.20	1.08*	1.08	2.45*	1.52*	.69*	.50*	2.45*
90	1.75	1.35	.52	1.42									1.75*

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	3.12	1.72	2.02	3.60	2.95	3.41	2.05	2.51	3.26	3.36	2.31	2.65	3.60
TOTAL OBS	560	533	600	576	543	554	554	578	540	532	520	532	6622

THE GREATEST VALUE OF 3.60 OCCURRED ON 04/05/87

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	64.5	67.2	74.4	88.4	99.4	100.0	100.0	100.0	100.0	98.7	88.1	61.5	86.8
TRACE	13.4	15.9	12.6	7.8	.4					.7	6.9	21.1	6.6
0.1-0.4	6.3	3.2	2.8	.9							1.3	3.8	1.5
0.5-1.4	4.6	4.9	5.2	.9						.2	1.2	4.9	1.8
1.5-2.4	3.2	2.8	1.0	.9	.2						1.0	2.6	1.0
2.5-3.4	1.4	2.4	.8	.2						.2	.4	1.9	.6
3.5-4.4	1.3	.9	.7	.3						.2	.4	1.5	.4
4.5-6.4	2.5	.8	1.3	.3							.2	1.1	.5
6.5-10.4	2.1	1.3	1.0	.3							.4	1.1	.5
10.5-15.4	.5	.2	.2								.2	.2	.1
15.5-25.4	.2	.4										.4	.1
25.5-50.4													
OVER 50.4													
DAYS WITH MEAS AMTS	22.1	16.9	13.0	3.8	.2					.6	5.0	17.5	6.6
TOTAL NO. OF OBSERVATIONS	560	533	601	576	544	554	554	578	540	534	520	532	6626

B - 3 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										TRACE*	TRACE*	26.2*	26.2*
61	30.[illegible]*	11.4*	14.5*	6.0*	.0*	.0*	.0*	.0*	.0*	.0	8.4	24.4	95.0*
62	4.8	33.4	10.2	2.1	.0	.0	.0	.0	.0	3.0	1.7	14.8	70.0
63	12.1	17.7	18.8	.3	TRACE	.0	.0	.0	.0				48.9*
74	TRACE*	4.1*	1.2*	7.1*	.0*	.0*	.0*	.0	.0	.0*	2.3	8.4	23.1*
75	13.3	18.2	9.4	3.2	.0	.0	.0	.0	.0	TRACE	2.3	25.6*	72.0*
76	18.9	3.8	14.2	TRACE	.0	.0	.0	.0	.0	TRACE	2.8	13.8	53.5
77	32.0	10.0	13.9	.6	1.5	.0	.0	.0	.0	.0	2.0	18.0*	78.0*
78	34.3	23.0	11.0	TRACE	.0	.0	.0	.0	.0	.0	4.5*	8.8*	81.6*
79	17.1	6.5	TRACE	2.8	.0	.0	.0	.0	.0	4.8	TRACE	1.7*	32.9*
80	.4	8.9	5.8	TRACE	.0	.0	.0	.0	.0	.0	12.0	7.6	34.7
81	12.5	8.5	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	27.3	48.7
82	19.5	7.9	9.2	11.0	.0	.0	.0	.0	.0	.0	.0	2.4[illegible]	50.0*
83	21.5	34.0	.8	TRACE	.0	.0	.0	.0	.0	.0	TRACE	19.5	75.8
84	25.3	1.0	33.2	TRACE	.0	.0	.0	.0	.0	.0	TRACE	11.4	70.9
85	6.4	7.0	9.6	6.2	.0	.0	.0	.0	.0	.0	5.4	9.0	43.6
86	7.7	11.5	2.2	TRACE	.0	.0	.0	.0	.0	.0	10.0	4.1	35.5
87	50.0	.5	2.4	14.0	.0	.0	.0	.0	.0	.0	7.9	8.0	82.8
88	19.3	17.7	7.2	TRACE	.0*	.0*	.0*	.0	.0*	.0	.0*	1.0*	45.2*
89	2.0	3.3	6.5	TRACE	.0*	.0	.0*	.0	.0[illegible]	.0*	4.0*	6.2*	22.0*
90	23.5	20.5	3.2	.1									47.3*

B - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	.4	.5	TRACE	.0	.0	.0	.0	.0	.0	.0	.0	4.1	34.7
GREATEST	50.0	34.0	33.2	14.0	1.5	.0	.0	.0	.0	4.8	12.0	27.3	95.0
MEAN	17.8	13.0	8.8	2.2	.1	.0	.0	.0	.0	.5	3.6	13.5	57.3
MEDIAN	18.0	9.5	8.2	.1	.0	.0	.0	.0	.0	.0	2.3	11.4	53.5
SD	12.495	10.047	8.056	4.117	.387	.000	.000	.000	.000	1.372	4.064	7.424	18.031
TOTAL OBS	560	533	601	576	544	554	554	578	540	534	520	532	6626

THE GREATEST VALUE OF 50.0 OCCURRED ON 01/87

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										TRACE*	TRACE*	21.3*	21.3*
61	22.2*	9.4*	7.9*	3.5*	.0*	.0*	.0*	.0*	.0*	.0	8.3	15.5	22.2*
62	4.8	10.4	6.5	2.1	.0	.0	.0	.0	.0	3.0	.8	8.4	10.4
63	8.5	9.2	7.2	.2	TRACE	.0	.0	.0	.0				9.2*
74	TRACE*	2.7*	1.2*	5.5*	.0*	.0*	.0*	.0	.0	.0*	[illegible]	3.7	5.5*
75	9.6	4.3	4.7	1.0	.0	.0	.0	.0	.0	TRACE	2.0	8.0*	9.6*
76	7.0	1.7	8.8	TRACE	.0	.0	.0	.0	.0	TRACE	2.6	4.5	8.8
77	8.5	3.0	6.9	.6	1.5	.0	.0	.0	.0	.0	2.0	4.0*	8.5*
78	12.7	23.0	5.0	TRACE	.0	.0	.0	.0	.0	.0	[illegible].0*	3.8*	23.0*
79	4.8	3.2	TRACE	2.1	.0	.0	.0	.0	.0	4.3	TRACE	1.3*	4.8*
80	.3	3.8	5.8	TRACE	.0	.0	.0	.0	.0	.0	12.0	7.0	12.0
81	4.6	7.0	.4	.0	.0	.0	.0	.0	.0	.0	TRACE	12.1	12.1
82	8.8	4.0	3.2	9.0	.0	.0	.0	.0	.0	.0	.0	1.7*	9.0*
83	15.3	16.0	.6	TRACE	.0	.0	.0	.0	.0	.0	TRACE	8.0	16.0
84	9.0	1.0	12.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	6.0	12.0
85	2.2	3.1	4.2	4.2	.0	.0	.0	.0	.0	.0	2.3	3.5	4.2
86	5.0	5.0	1.4	TRACE	.0	.0	.0	.0	.0	.0	6.0	2.0	6.0
87	12.0	.5	.8	8.0	.0	.0	.0	.0	.0	.0	6.9	2.0	12.0
88	10.0	10.0	5.2	TRACE	.0*	.0*	.0*	.0	.0*	.0	.0*	1.0*	10.0*
89	2.0	2.0	5.1	TRACE	.0*	.0	.0*	.0	.0*	.0*	4.0*	5.0*	5.1*
90	6.4	.0	2.1	.1									7.0*

B - 3 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	22.2	23.0	12.0	9.0	1.5	.0	.0	.0	.0	4.3	12.0	21.3	23.0
TOTAL OBS	560	533	601	576	544	554	554	578	540	534	520	532	6626

THE GREATEST VALUE OF 23.0 OCCURRED ON 02/07/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 3 - 3B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

AMOUNTS (INCHES)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NONE	14.6	15.0	51.1	93.8	99.8	100.0	100.0	100.0	100.0	99.4	87.1	41.9	75.2
TRACE	7.9	11.3	12.0	2.8						.4	4.2	14.8	4.5
1	13.0	8.3	7.0	1.2							2.1	6.8	3.2
2	6.4	5.4	4.2		.2						2.1	8.3	2.2
3	9.3	6.9	3.5	.9						.2	1.2	6.8	2.4
4-6	14.1	16.7	10.8	.7							2.3	7.9	4.4
7-12	21.3	19.1	9.5	.7							1.0	11.5	5.3
13-24	12.3	15.9	2.0									2.1	2.7
25-36	1.1	1.3											.2
37-48													
49-60													
61-120													
OVER 120													
DAYS WITH MEAS AMTS	77.5	73.7	36.9	3.5	.2					.2	8.7	43.2	20.3
TOTAL NO. OF OBSERVATIONS	560	533	601	576	544	554	554	578	541	534	520	532	6627

B - 4 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										0*	0*	21*	21*
61	25*	14*	10*	3*	0*	0*	0*	0*	0*	0	8	22	25*
62	11	16	12	1	0	0	0	0	0	TRACE	1	9	16
63	11	13	16	0	0	0	0	0	0				16*
74	TRACE*	9*	0*	6*	0*	0*	0*	0	0	0*	2	3	9*
75	9	13	5	1	0	0	0	0	0	0	2	17*	17*
76	18	8	9	0	0	0	0	0	0	0	3	9	18
77	26	19	8	TRACE	2	0	0	0	0	0	2	10*	26*
78	24	29	13	0	0	0	0	0	0	0	3*	3*	29*
79	6	3	1	1	0	0	0	0	0	3	0	1*	6*
80	TRACE	7	6	0	0	0	0	0	0	0	9	5	9
81	6	4	TRACE	0	0	0	0	0	0	0	0	13	13
82	17	15	7	11	0	0	0	0	0	0	0	2*	17*
83	14	26	4	0	0	0	0	0	0	0	0	11	26
84	12	8	15	7	0	0	0	0	0	0	0	6	15
85	5	10	4	1	0	0	0	0	0	0	4	4	10
86	5	6	4	0	0	0	0	0	0	0	6	1	6
87	28	26	17	12	0	0	0	0	0	0	6	3	28
88	13	12	5	0	0*	0*	0*	0	0*	0	0*	1*	13*
89	TRACE	4	3	TRACE	0*	0	0*	0	0*	0*	4*	5*	5*
90	9	8	5	TRACE									9*

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	28*	29*	17*	12*	2*	0*	0*	0*	0*	3*	9*	22*	29*
TOTAL OBS	560	533	601	576	544	554	554	578	541	534	520	532	6627

THE GREATEST VALUE OF 29 OCCURRED ON 02/07/78

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 4 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA

PERIOD OF RECORD: 6010-6309,7401-9004
SNOW-YEAR: 1 AUG - 31 JUL

SNOW-YEAR	FIRST SNOWFALL	FIRST MEASURABLE SNOWFALL	FIRST MEASURABLE SNOW DEPTH	LAST SNOWFALL	LAST MEASURABLE SNOWFALL	LAST MEASURABLE SNOW DEPTH
60 - 61	OCT 25	DEC 08	DEC 12	APR 19	APR 13	APR 14
61 - 62	NOV 18	NOV 20	NOV 21	APR 17	APR 12	APR 13
62 - 63	OCT 26	OCT 26	NOV 19	MAY 11	APR 24	MAR 26
73 - 74	JAN 30	FEB 06	FEB 04	APR 10	APR 10	APR 11
74 - 75	NOV 26	NOV 26	NOV 26	APR 08	APR 08	APR 05
75 - 76	OCT 30	NOV 24	NOV 25	APR 25	MAR 19	MAR 20
76 - 77	OCT 18	NOV 10	NOV 11	MAY 10	MAY 10	MAY 10
77 - 78	NOV 23	NOV 28	NOV 28	APR 15	MAR 26	MAR 27
78 - 79	NOV 21	NOV 21	NOV 22	APR 17	APR 14	APR 10
79 - 80	OCT 10	OCT 10	OCT 11	APR 22	MAR 14	MAR 17
80 - 81	NOV 10	NOV 18	NOV 18	MAR 25	MAR 07	FEB 27
81 - 82	NOV 07	DEC 05	DEC 06	APR 07	APR 07	APR 10
82 - 83	DEC 09	DEC 11	DEC 21	APR 19	MAR 28	MAR 28
83 - 84	NOV 12	DEC 03	DEC 03	APR 21	MAR 30	APR 04
84 - 85	NOV 13	DEC 06	DEC 06	APR 18	APR 08	APR 08
85 - 86	NOV 16	NOV 16	NOV 17	APR 10	MAR 13	MAR 11
86 - 87	NOV 05	NOV 12	NOV 12	APR 29	APR 29	APR 30
87 - 88	NOV 10	NOV 10	NOV 12	APR 20	MAR 20	MAR 07
88 - 89	DEC 05	DEC 14	DEC 14	APR 08	MAR 27	MAR 21
89 - 90	NOV 20	NOV 25	NOV 25	APR 18	APR 07	MAR 07
MEDIAN-DATE	NOV 12	NOV 24	NOV 25	APR 18	APR 07	MAR 31

B - 5 - 1

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PPPPPPPP        AAAAAA        RRRRRRRR        TTTTTTTTTT        CCCCCC
PPPPPPPPP      AAAAAAAA       RRRRRRRRR       TTTTTTTTTT       CCCCCCCC
PP      PP     AA      AA     RR      RR          TT          CC      CC
PP      PP     AA      AA     RR      RR          TT          CC
PPPPPPPPP      AA      AA     RRRRRRRRR           TT          CC
PPPPPPPP       AAAAAAAAAA     RRRRRRRR            TT          CC
PP             AAAAAAAAAA     RR    RR            TT          CC
PP             AA      AA     RR     RR           TT          CC      CC
PP             AA      AA     RR      RR          TT       CCCCCCCC
PP             AA      AA     RR       RR         TT        CCCCCC
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C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIANS, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIANS FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60										*	*	*	*
61	*	*	*	*	*	*	*	*	ENE*35	NNW*36	NNE 39	N *35	NNE*39
62	NNW*49	E *31	ESE 43	NNW 48	N *39	W 31	SW 43	NNW 40	NNW 26	NW 32	NNW 39	N 44	NNW*49
63	NW 40	NW 35	NNW 40	NW 52	NNW 40	N 31	WSW 33	NNE 37	S 27				NW *52
74	*	*	*	*	*	*	*	*	*	*	*	*	*
75	*	*	*	*	*	*	*	*	*	*	*	*	*
76	*	*	*	*	*	*	*	*	*	*	23/*21	27/*37	27/*37
77	30/ 34	01/ 37	31/ 35	28/ 45	07/ 37	22/ 35	30/ 28	31/ 24	21/ 28	35/ 29	27/ 41	31/*29	28/*45
78	20/ 44	03/ 35	28/ 37	30/ 35	30/ 30	33/ 26	21/ 25	33/ 20	36/ 30	35/ 26	22/*30	31/*44	20/*44
79	29/ 32	33/ 34	20/ 38	30/ 40	34/ 29	30/ 28	34/ 26	25/ 23	17/ 39	22/ 30	18/ 38	33/*35	30/*40
80	27/ 45	31/ 26	30/ 37	19/ 25	34/ 31	30/ 25	23/ 35	27/ 28	30/ 28	12/ 38	34/ 36	35/ 39	27/ 45
81	30/ 33	21/ 42	34/ 35	23/ 33	35/ 29	26/ 37	32/ 30	34/ 26	35/*37	29/ 28	35/ 32	34/*41	21/*42
82	28/*40	30/ 39	30/ 35	30/ 41	35/*25	03/*26	27/ 23	32/ 28	21/ 24	36/ 28	20/ 30	21/*30	30/*41
83	01/ 29	34/ 31	34/ 33	09/ 26	20/ 23	19/ 17	28/*15	02/*16	*	*	*	28/ 38	28/*38
84	35/ 27	32/ 29	06/ 32	24/ 18	21/*29	01/*18	22/*22	27/ 17	29/ 26	22/ 21	27/*31	29/*26	06/*32
85	29/ 31	10/ 33	28/ 31	24/ 32	31/ 20	28/ 22	22/ 21	31/ 18	13/ 47	28/ 21	21/ 27	29/ 30	13/ 47
86	31/ 30	30/*21	28/ 31	28/ 22	32/ 25	22/ 39	29/ 20	16/ 26	28/ 23	30/ 33	32/ 34	34/*30	22/*39
87	32/ 34	01/ 36	17/ 42	27/ 33	28/ 33	20/ 34	34/ 30	25/ 27	25/ 20	31/*36	27/ 35	31/ 33	17/*42
88	28/ 37	28/ 39	31/ 34	35/*32	19/*31	34/*38	23/*30	29/ 27	35/*21	28/*31	33/*35	25/*37	28/*39
89	31/*34	28/ 38	30/ 34	34/ 33	17/*36	32/ 43	35/*32	09/ 18	19/*35	25/*30	31/*40	27/*36	32/*43
90	27/*31	22/ 40	27/ 37	25/ 32									22/*40

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GREATEST	NNW 49	21/ 42	ESE 43	NW 52	NNW 40	32/ 43	SW 43	NNW 40	13/ 47	12/ 38	27/ 41	N 44	NW 52
TOTAL OBS	450	423	483	461	409	428	425	428	415	402	378	411	5113

THE PEAK WIND OF 52 FROM NW OCCURRED ON 04/04/63

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

C - 2 - 1B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

MONTH	WIND SPEEDS IN KNOTS											MEAN WIND	MEDIAN WIND	TOTAL OBS
	CALM-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65			
JAN	2.4	12.2	26.7	21.1	16.7	12.0	6.0	1.3	1.6	.0	.0	17.7	16.0	450
FEB	.9	13.5	25.5	26.2	17.5	9.2	4.3	2.4	.5	.0	.0	17.2	16.0	423
MAR	.2	6.2	24.8	28.4	12.6	14.9	8.5	3.7	.6	.0	.0	19.4	18.0	483
APR	.2	5.9	20.6	27.5	17.8	14.5	8.9	1.7	2.6	.2	.0	20.0	18.0	461
MAY	.5	9.0	25.4	34.5	19.1	7.3	2.2	1.7	.2	.0	.0	17.1	16.0	409
JUN	.7	14.3	32.0	32.5	12.6	5.8	.9	.9	.2	.0	.0	15.3	15.0	428
JUL	1.2	18.6	37.9	25.6	11.1	2.6	2.4	.5	.2	.0	.0	14.4	13.0	425
AUG	1.4	22.2	35.0	26.2	11.4	3.0	.2	.2	.2	.0	.0	13.8	13.0	428
SEP	1.4	20.7	33.5	27.5	10.6	4.3	.7	1.0	.2	.0	.0	14.3	14.0	415
OCT	1.5	17.4	32.6	25.6	13.4	6.2	2.2	1.0	.0	.0	.0	15.2	14.0	402
NOV	1.9	19.8	24.1	20.6	14.6	9.5	6.6	2.4	.5	.0	.0	16.8	15.5	378
DEC	1.7	17.0	27.3	23.6	11.7	9.2	5.6	2.9	1.0	.0	.0	16.8	15.0	411
ANNUAL	1.2	14.5	28.7	26.7	14.1	8.4	4.1	1.7	.7	.0	.0	16.6	15.0	5113

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	3.8	.3									7.9	4.8	5.0
020-040	.1	.3										.4	4.7	5.0
050-070														
(E) 080-100														
110-130	.4											.4	2.7	2.0
140-160	1.0	.7	.3									2.0	4.6	4.5
(S) 170-190	2.6	.7	.7									4.0	4.6	3.0
200-220	2.0	2.6	.4									5.0	5.1	5.0
230-250	3.1	2.8	.6	.1								6.7	5.5	5.0
(W) 260-280	3.5	4.3	.9									8.7	5.5	6.0
290-310	3.7	4.3	1.1									9.1	5.5	5.0
320-340	4.7	3.4	.1									8.2	4.3	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	47.7	////	////
TOTALS	24.9	22.9	4.4	.1								100.0	2.6	5.0

TOTAL NUMBER OF OBSERVATIONS 705

C - 4 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	3.7	.7									9.0	4.8	4.0
020-040	1.7	1.0	.1									2.9	4.6	4.0
050-070	.5											.5	1.8	2.0
(E) 080-100	.2											.2	2.0	2.0
110-130	.3											.3	2.7	3.0
140-160	3.3	.7	.3									4.3	3.7	3.0
(S) 170-190	3.4	3.0	.3	.1								6.8	5.1	4.5
200-220	2.5	3.5	.8									6.8	5.6	6.0
230-250	1.5	3.5	1.5									6.5	6.6	6.0
(W) 260-280	1.8	5.0	2.1									8.9	7.0	7.0
290-310	2.9	5.5	2.7	.5								11.5	7.1	7.0
320-340	4.7	7.3	1.5									13.5	5.8	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	28.7	//////	//////
TOTALS	27.5	33.2	10.0	.6								100.0	4.1	6.0

TOTAL NUMBER OF OBSERVATIONS 876

C - 4 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.4	3.1	1.0									9.6	5.0	4.0
020-040	2.4	1.0	.1									3.6	3.8	4.0
050-070	.9											.9	2.1	2.0
(E) 080-100	.6		.1									.7	4.0	3.0
110-130	.8	.2										1.0	2.8	2.0
140-160	1.7	1.3	.1	.1								3.2	4.8	4.0
(S) 170-190	3.0	3.3	.7	.5								7.5	6.2	5.0
200-220	2.0	4.1	.9	.1								7.1	6.4	6.0
230-250	1.2	5.1	1.5	.1								7.8	7.5	8.0
(W) 260-280	1.8	6.8	3.1	.3								12.1	7.6	8.0
290-310	2.8	9.2	4.3	.6								16.8	7.5	7.0
320-340	3.8	8.1	2.8	.2								14.8	6.6	6.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	14.8	////	////
TOTALS	26.4	42.2	14.6	1.9								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 869

C - 4 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.1	3.3	.2									8.7	4.5	4.0
020-040	2.7	.6										3.3	3.1	3.0
050-070	.6											.6	2.0	2.0
(E) 080-100	.6	.1										.7	3.2	2.0
110-130	.5											.5	2.0	1.5
140-160	1.2	1.2										2.4	4.3	4.5
(S) 170-190	3.3	2.3	1.0	.1								6.7	5.5	5.0
200-220	2.0	2.4	1.2									5.6	6.2	6.0
230-250	3.2	3.7	1.2									8.1	5.9	5.0
(W) 260-280	3.7	7.0	2.8	.4								13.8	6.7	6.0
290-310	5.6	8.7	3.4	.4								18.1	6.6	6.0
320-340	5.5	6.0	.9									12.3	5.2	5.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	19.1	////	////
TOTALS	34.0	35.3	10.7	.9								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 818

C - 4 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.9	1.5										7.4	3.3	3.0
020-040	1.1											1.1	2.6	2.0
050-070	.3											.3	2.5	2.5
(E) 080-100		.2										.2	7.0	7.0
110-130	.3											.3	3.0	3.0
140-160	.5	.2										.6	3.3	2.0
(S) 170-190	2.4	1.7	.2									4.2	4.6	4.0
200-220	3.5	3.0	.2									6.7	4.8	4.0
230-250	3.8	3.0	.6									7.4	4.8	4.0
(W) 260-280	5.9	5.6	2.3									13.8	5.8	5.0
290-310	4.8	6.4	2.6	.2								13.9	6.3	6.0
320-340	3.6	3.2	.3									7.1	4.5	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	37.0	//////	//////
TOTALS	32.1	24.8	6.2	.2								100.0	3.2	4.0

TOTAL NUMBER OF OBSERVATIONS 660

C - 4 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	9.8	3.7										13.4	4.0	4.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190		1.2										1.2	5.0	5.0
200-220		1.2	1.2									2.4	9.5	9.5
230-250	4.9	1.2										6.1	2.8	2.0
(W) 260-280	7.3	8.5	1.2									17.1	5.6	5.0
290-310	7.3	3.7	1.2									12.2	4.6	4.0
320-340	4.9	1.2										6.1	4.2	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	41.5	//////////	//////////
TOTALS	34.2	20.7	3.6									100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS P2

C - 4 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.1	3.1	.5									8.7	4.5	4.0
020-040	1.6	.6	.0									2.3	3.8	4.0
050-070	.5											.5	2.1	2.0
(E) 080-100	.3	.0	.0									.4	3.6	2.0
110-130	.5	.0										.5	2.6	2.0
140-160	1.6	.8	.1	.0								2.6	4.2	3.0
(S) 170-190	2.9	2.3	.6	.1								5.9	5.4	5.0
200-220	2.3	3.1	.7	.0								6.2	5.7	6.0
230-250	2.5	3.6	1.1	.0								7.3	6.1	6.0
(W) 260-280	3.3	5.9	2.2	.1								11.5	6.6	6.0
290-310	4.0	6.8	2.9	.3								14.0	6.7	6.0
320-340	4.5	5.7	1.2	.0								11.4	5.6	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	28.7	//////	//////
TOTALS	29.1	31.9	9.3	.5								100.0	4.1	5.0

TOTAL NUMBER OF OBSERVATIONS 4011

C - 4 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	11.4	5.0	.6									17.0	4.1	4.0
020-040	2.5	.6	.3									3.3	3.9	3.0
050-070	1.7											1.7	2.2	2.0
(E) 080-100	.3		.3									.6	6.0	6.0
110-130	.3	.3										.6	3.5	3.5
140-160	1.4	1.7	1.7	.3								5.0	7.2	7.0
(S) 170-190	2.8	1.1	1.4									5.3	5.6	4.0
200-220	.8	2.5	.8									4.2	6.4	7.0
230-250	.3	.3	.3									.8	7.0	7.0
(W) 260-280	.3		.6									.8	7.3	10.0
290-310		.8	.3									1.1	7.3	6.5
320-340	4.2	3.3	.3									7.8	4.3	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	51.8	//////////	//////////
TOTALS	26.0	15.6	6.6	.3								100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 359

C - 4 - 8

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														4.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220		25.0										25.0	5.0	5.0
230-250	25.0											25.0	4.0	4.0
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	50.0	//////////	
TOTALS	25.0	25.0										100.0	2.3	4.5

TOTAL NUMBER OF OBSERVATIONS 4

C - 4 - 9

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220	33.3											33.3	2.0	2.0
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	//////////											66.7	//////////	
TOTALS	33.3											100.0	.7	2.0

TOTAL NUMBER OF OBSERVATIONS . 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.0	5.4	.5									11.9	4.6	4.0
020-040	1.8	1.2	.3									3.3	4.7	4.0
050-070	.3	.5										.8	4.8	5.0
(E) 080-100	.5	.2										.6	3.8	4.0
110-130	.5	.2	.2									.8	5.2	4.0
140-160	1.1	.5	.3									1.8	5.0	3.5
(S) 170-190	3.3	2.6	.2									6.0	4.3	4.0
200-220	2.0	1.4										3.3	4.3	4.0
230-250	2.1	1.1	.2									3.3	4.0	3.0
(W) 260-280	2.3	2.7	1.1									6.0	6.1	5.5
290-310	5.0	1.5	.9	.2								7.6	4.7	3.0
320-340	5.6	3.0	.6									9.2	4.3	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	45.3	//////	//////
TOTALS	30.5	20.3	4.3	.2								100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 662

C - 4 - 11

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.2	6.1	.9									13.2	5.1	5.0
020-040	4.0	1.7	.6									6.3	4.2	4.0
050-070	1.7	.4										2.1	3.1	3.0
(E) 080-100	.4	.9										1.2	5.2	5.0
110-130	.7	.1										.9	2.9	2.0
140-160	2.4	.7										3.1	3.5	3.0
(S) 170-190	1.5	1.9	.7	.2	.1							4.5	6.7	6.0
200-220	2.0	3.9	1.2	.4								7.5	6.9	6.0
230-250	1.2	2.0	.5									3.7	5.8	5.5
(W) 260-280	1.1	6.2	1.0	.2								8.6	7.2	7.0
290-310	3.5	6.8	1.7	.2								12.3	6.4	6.0
320-340	5.6	6.5	1.4	.1								13.5	5.7	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	23.1	//////	//////
TOTALS	30.3	37.2	8.0	1.1	.1							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS .. 805

C - 4 - 12

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.8	4.8	.5	.1								11.1	4.8	4.0
020-040	3.5	1.4	.5									5.4	4.3	3.0
050-070	1.6	1.6										3.3	4.3	4.5
(E) 080-100	.9	.5	.1									1.5	4.1	2.5
110-130	1.4	.3										1.6	3.5	3.0
140-160	1.5	1.4	.3									3.1	5.3	5.0
(S) 170-190	1.6	2.3	1.6	.6								6.1	7.9	7.0
200-220	1.6	2.4	2.3	.4								6.6	7.9	8.0
230-250	2.5	4.4	1.6	.1								8.6	6.7	7.0
(W) 260-280	2.0	5.9	2.5	.4	.1							10.9	7.4	7.0
290-310	2.1	8.9	2.8	.4								14.1	7.5	7.0
320-340	4.9	9.1	1.6									15.6	5.9	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	12.0	//////	//////
TOTALS	29.4	43.0	13.8	2.0	.1							100.0	5.6	6.0

TOTAL NUMBER OF OBSERVATIONS 800

C - 4 - 13

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.4	4.2	.7									12.3	4.4	4.0
020-040	2.8	1.3	.1									4.2	3.7	3.0
050-070	1.8	.8	.1									2.8	4.2	3.0
(E) 080-100	1.7	.5	.1									2.4	3.9	4.0
110-130	1.3	.3										1.6	3.2	2.0
140-160	1.2	1.6	.1									2.9	5.5	6.0
(S) 170-190	1.5	3.3	.9	.4	.1							6.2	7.2	6.0
200-220	2.0	3.6	1.1	.3	.1							7.0	7.1	7.0
230-250	2.6	4.2	.4	.1								7.4	5.8	6.0
(W) 260-280	2.9	6.1	1.5									10.4	6.2	6.0
290-310	4.7	7.8	2.1		.1							14.8	6.3	6.0
320-340	5.3	8.8	1.3		.1							15.6	5.9	6.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	12.5	//////////	//////////
TOTALS	35.2	42.5	8.4	.8	.4							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS . 758

C - 4 - 14

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.0	3.7	.6									11.3	4.4	4.0
020-040	2.8	1.0	.2									3.9	3.7	3.5
050-070	1.5	.2	.2									1.8	3.5	3.0
(E) 080-100	1.0	.2	.3									1.5	5.2	4.0
110-130	1.0	.3	.3									1.6	5.1	4.0
140-160	1.9	1.0										2.9	4.3	4.0
(S) 170-190	1.6	2.1	.6	.2	.2							4.7	5.7	6.0
200-220	1.8	2.4	.5	.2								4.9	5.7	5.0
230-250	1.1	.6	.2									1.9	4.6	3.5
(W) 260-280	4.4	4.5	.6									9.6	5.1	5.0
290-310	5.3	3.7	.8									9.9	4.7	4.0
320-340	7.3	2.9	.5									10.7	3.9	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	35.3	//////	//////
TOTALS	36.7	22.6	4.8	.4	.2							100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 617

C - 4 - 15

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	10.3	3.8										14.1	3.3	2.0
020-040	5.1											5.1	2.0	1.5
050-070	1.3											1.3	1.0	1.0
(E) 080-100	1.3											1.3	2.0	2.0
110-130														
140-160	1.3											1.3	3.0	3.0
(S) 170-190		1.3										1.3	5.0	5.0
200-220	1.3	2.6										3.8	4.3	5.0
230-250	2.6											2.6	3.5	3.5
(W) 260-280	1.3	5.1										6.4	6.0	6.0
290-310	1.3	3.8										5.1	4.8	5.5
320-340	5.1	3.8	1.3									10.3	5.3	5.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	47.4	//////////	//////////
TOTALS	30.9	20.4	1.3									100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS. . 78

C - 4 - 16

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.5	4.9	.6	.0								12.0	4.6	4.0
020-040	3.1	1.3	.3									4.7	4.1	3.5
050-070	1.4	.7	.1									2.2	3.9	3.0
(E) 080-100	.9	.5	.1									1.4	4.4	4.0
110-130	1.0	.2	.1									1.3	3.8	3.0
140-160	1.6	1.0	.1									2.8	4.7	4.0
(S) 170-190	1.8	2.4	.8	.3	.1							5.4	6.6	6.0
200-220	1.9	2.8	1.0	.2	.0							6.0	6.7	6.0
230-250	2.0	2.5	.6	.1								5.2	5.8	6.0
(W) 260-280	2.4	5.2	1.3	.1	.0							9.1	6.5	6.0
290-310	4.0	5.9	1.7	.2	.0							11.8	6.2	6.0
320-340	5.6	6.3	1.1	.0	.0							13.1	5.4	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	25.1	//////	//////
TOTALS	32.2	33.7	7.8	.9	.1							100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 3727

C - 4 - 17

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	18.2	9.3	.9									28.5	3.9	3.0
020-040	5.6	3.5	1.4									10.5	5.0	4.0
050-070	4.4	3.0	.5									7.9	4.7	4.0
(E) 080-100	1.9	1.6	.9									4.4	5.8	5.0
110-130	.2		.7									.9	9.3	11.5
140-160	1.9	.5	.5									2.8	5.6	4.0
(S) 170-190	.7	.7	.5	2.1	.7							4.7	12.8	15.5
200-220	1.4	.5	.5	.2	.2							2.8	7.7	5.0
230-250														
(W) 260-280	.5											.5	3.0	3.0
290-310	1.2											1.2	2.2	2.0
320-340	4.2	.9										5.1	3.5	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	30.6	//////////	//////////
TOTALS	40.2	20.0	5.9	2.3	.9							100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 428

C - 4 - 18

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.6	4.7	.3									10.6	4.3	4.0
020-040	3.1	1.3	.7									5.1	4.8	4.0
050-070	.8	.3										1.0	3.8	3.0
(E) 080-100	.4	.3										.7	4.0	4.0
110-130	.1	.1										.3	3.5	3.5
140-160	1.7	.8	.4	.1								3.0	5.5	4.0
(S) 170-190	2.2	1.8	.3									4.3	4.7	4.0
200-220	2.0	2.2	.3									4.4	5.5	5.5
230-250	1.8	.9	.3									3.0	4.8	4.0
(W) 260-280	3.0	3.1	1.2	.3								7.6	6.2	5.0
290-310	3.1	4.2	.3	.1								7.7	5.2	5.0
320-340	4.8	4.6	.8									10.2	4.9	5.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	42.1	////	////
TOTALS	28.6	24.3	4.6	.5								100.0	2.9	5.0

TOTAL NUMBER OF OBSERVATIONS 765

C - 4 - 19

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.1	6.5	.5									13.2	5.2	5.0
020-040	4.7	2.9	.4									8.1	4.5	4.0
050-070	3.4	1.1	.2									4.7	3.8	4.0
(E) 080-100	1.5	1.1										2.6	3.6	3.5
110-130	.9	.3										1.2	4.3	4.0
140-160	1.5	.7	.1	.1	.1							2.5	5.4	3.0
(S) 170-190	2.4	3.1	.9	.1								6.4	5.9	6.0
200-220	1.2	2.5	1.2	.1								5.0	7.2	7.0
230-250	.8	2.0	1.5									4.2	7.3	7.0
(W) 260-280	2.0	5.0	3.2	.3								10.5	7.6	8.0
290-310	2.7	7.5	2.1	.3								12.6	6.9	6.0
320-340	3.9	7.6	1.7	.3								13.6	6.2	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.4	//////	//////
TOTALS	31.1	40.3	11.8	1.2	.1							100.0	5.1	6.0

TOTAL NUMBER OF OBSERVATIONS 918

C - 4 - 20

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	5.1	.5									10.4	5.2	5.0
020-040	4.4	3.5	.2									8.1	4.7	4.0
050-070	3.4	1.1	.2									4.7	4.1	3.0
(E) 080-100	2.1	1.2	.1									3.4	4.1	3.0
110-130	1.6	.9										2.5	4.2	4.0
140-160	1.6	2.1			.1							3.8	5.4	5.0
(S) 170-190	2.3	3.5	.9	.1		.1						6.9	6.8	7.0
200-220	2.2	2.3	1.6	.2								6.3	7.3	7.0
230-250	1.9	2.5	1.3	.1								5.8	6.6	6.0
(W) 260-280	1.1	5.2	3.5	.3								10.2	8.4	8.0
290-310	2.1	9.1	4.1	.3	.1							15.7	7.9	8.0
320-340	3.7	7.5	2.9	.1								14.3	6.6	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.0	//////	//////
TOTALS	31.1	44.0	15.3	1.1	.2	.1						100.0	5.9	6.0

TOTAL NUMBER OF OBSERVATIONS 916

C - 4 - 21

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.0	6.2	.8									12.0	5.1	5.0
020-040	3.2	2.1										5.3	4.0	4.0
050-070	2.3	1.5	.1									3.9	4.2	4.0
(E) 080-100	3.0	1.8										4.8	4.0	3.0
110-130	.8	1.1	.2									2.2	5.7	6.0
140-160	1.8	1.5	.5	.1		.1						4.0	6.0	5.0
(S) 170-190	1.1	4.4	1.8	.1								7.4	7.4	7.0
200-220	2.2	2.9	.9	.3								6.3	6.6	6.0
230-250	1.7	2.1	1.3									5.0	6.6	6.5
(W) 260-280	1.9	5.0	2.7	.2								10.0	7.4	7.0
290-310	2.7	8.9	3.2	.1								15.0	7.1	7.0
320-340	4.9	8.0	2.7	.1								15.8	6.5	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	8.2	//////	//////
TOTALS	30.6	45.5	14.2	.9		.1						100.0	5.7	6.0

TOTAL NUMBER OF OBSERVATIONS . 8773

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.8	2.8	.8									11.5	3.9	3.0
020-040	2.8	1.7										4.5	3.6	3.5
050-070	1.4	.3										1.7	3.0	2.0
(E) 080-100	2.8	.7										3.5	3.7	4.0
110-130	2.0	1.3	.1									3.4	4.2	4.0
140-160	2.0	1.3	.1									3.4	4.5	4.0
(S) 170-190	1.5	3.8	1.3		.1							6.7	7.1	6.5
200-220	1.3	2.4	.8									4.5	6.6	6.0
230-250	1.0	1.0	.1									2.1	5.1	5.0
(W) 260-280	2.4	2.7	1.1	.1								6.3	6.2	6.0
290-310	5.9	3.6	1.8									11.3	5.4	4.0
320-340	5.7	5.7	1.3	.1								12.9	5.3	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	28.3	//////	//////
TOTALS	36.6	27.3	7.4	.2	.1							100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 714

C - 4 - 23

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	2.3										5.7	3.8	3.0
020-040	2.3	3.4										5.7	4.8	6.0
050-070	3.4											3.4	3.0	3.0
(E) 080-100	2.3											2.3	3.0	3.0
110-130														
140-160	1.1											1.1	3.0	3.0
(S) 170-190	1.1	2.3	1.1									4.6	6.0	5.5
200-220	1.1	4.6	1.1									6.9	6.5	6.0
230-250														
(W) 260-280	1.1	3.4										4.6	5.0	5.0
290-310	2.3	5.7										8.0	6.0	6.0
320-340	11.5	3.4	2.3									17.2	4.5	3.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	40.2	////	////
TOTALS	29.6	25.1	4.5									100.0	2.9	4.5

TOTAL NUMBER OF OBSERVATIONS 87

C - 4 - 24

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.7	5.1	.6									11.4	4.8	4.0
020-040	3.7	2.4	.3									6.4	4.4	4.0
050-070	2.4	.9	.1									3.3	3.9	4.0
(E) 080-100	2.0	1.0	.0									3.0	3.9	4.0
110-130	1.1	.7	.1									1.8	4.6	4.0
140-160	1.7	1.2	.2	.1	.0	.0						3.3	5.4	4.0
(S) 170-190	1.9	3.3	1.0	.1	.0	.0						6.4	6.5	6.0
200-220	1.8	2.5	1.0	.1								5.4	6.7	6.0
230-250	1.4	1.7	.9	.0								4.1	6.4	6.0
(W) 260-280	2.0	4.3	2.4	.3								9.0	7.4	7.0
290-310	3.2	6.9	2.3	.2	.0							12.6	6.8	6.0
320-340	4.7	6.7	2.0	.1								13.5	6.0	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	19.8	//////	//////
TOTALS	31.6	36.7	10.9	.9								100.0	4.7	5.0

TOTAL NUMBER OF OBSERVATIONS 4275

C - 4 - 25

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	11.9	12.7	.7									25.3	4.6	5.0
020-040	8.9	8.8	.9									18.6	4.8	5.0
050-070	4.3	1.3	.2									5.8	3.[illegible]	3.0
(E) 080-100	5.4	1.9										7.3	3.4	3.0
110-130	1.7	.6										2.2	4.2	4.0
140-160	.6	.9	.9	.6	.4	.2						3.5	11.6	11.0
(S) 170-190	2.0	3.2	.6	.4	.2	.2						6.5	7.3	6.0
200-220	.9	.4	.4									1.7	6.1	4.0
230-250	.4	.2	.4									.9	6.8	5.0
(W) 260-280	.4	.2	.2									.7	6.3	5.5
290-310	1.7	.2										1.9	3.2	3.0
320-340	4.1	1.9										6.0	3.4	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	19.6	//////////	//////////
TOTALS	42.3	32.3	4.3	1.0	.6	.4						100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 537

C - 4 - 26

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	2.1										6.2	4.5	3.5
020-040	4.2											4.2	2.8	3.0
050-070	3.1											3.1	3.7	4.0
(E) 080-100	1.0											1.0	2.0	2.0
110-130														
140-160	1.0											1.0	1.0	1.0
(S) 170-190	3.1		1.0									4.2	4.0	2.5
200-220		7.3										7.3	6.7	6.0
230-250	2.1	1.0										3.1	3.3	2.0
(W) 260-280	2.1	4.2										6.2	4.8	5.0
290-310	7.3											7.3	2.4	3.0
320-340	1.0											1.0	2.0	2.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	55.2	//////////	//////////
TOTALS	29.1	14.6	1.0									100.0	1.8	3.0

TOTAL NUMBER OF OBSERVATIONS 96

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.4	3.7	.1									10.3	4.0	3.5
020-040	5.1	1.9										7.1	3.8	3.0
050-070	1.5	.8										2.3	3.8	4.0
(E) 080-100	1.2	.6	.1									1.9	3.9	3.0
110-130	1.7	.6	.1									2.4	4.3	4.0
140-160	1.9	1.2										3.1	3.8	3.0
(S) 170-190	3.1	2.1			.1							5.3	4.6	4.0
200-220	2.7	3.8	1.0									7.6	6.0	6.0
230-250	2.3	2.2	.4	.1								5.0	5.5	5.0
(W) 260-280	2.6	3.2	.9	.1								6.8	5.9	6.0
290-310	3.3	3.1	1.0	.1								7.6	5.9	6.0
320-340	3.2	3.8	1.8									8.8	6.0	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	31.9	//////	//////
TOTALS	35.0	27.0	5.4	.3	.1							100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS . 780

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	4.7	.8	.1								10.1	5.3	5.0
020-040	5.3	4.4	.3									10.0	4.5	4.0
050-070	3.8	2.0	.1									5.9	3.9	4.0
(E) 080-100	1.7	1.3										3.0	4.5	4.0
110-130	1.8	2.1	.1									4.0	4.9	5.0
140-160	1.7	1.8	.6	.1								4.3	5.9	5.0
(S) 170-190	1.4	3.0	1.6									6.0	6.9	6.0
200-220	1.5	2.6	2.3	.5								6.9	8.1	8.0
230-250	1.0	3.6	1.7	.1								6.4	7.7	8.0
(W) 260-280	2.4	3.3	2.4	.6								8.7	7.4	6.5
290-310	2.3	6.6	1.8	.5								11.1	7.2	6.0
320-340	3.6	6.6	2.0	.3								12.4	6.6	6.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	11.1	////	////
TOTALS	31.0	42.0	13.7	2.2								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS 870

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.8	4.2	1.3									10.3	5.5	5.0
020-040	4.6	2.8	.3									7.7	4.4	4.0
050-070	4.2	2.2										6.4	4.1	4.0
(E) 080-100	2.8	2.4	.7									5.9	5.4	5.0
110-130	1.8	1.7	.1									3.7	5.0	4.5
140-160	1.4	2.8	.6	.1								4.8	6.7	7.0
(S) 170-190	1.3	2.9	2.1	.1								6.3	7.6	6.0
200-220	1.4	3.0	2.3	.7	.2							7.6	8.9	8.0
230-250	2.3	3.1	2.0	.2	.1							7.7	7.2	6.0
(W) 260-280	1.3	5.3	3.0	.3								9.9	8.2	8.0
290-310	2.2	5.4	2.8	.5	.2							11.0	8.0	8.0
320-340	3.2	5.6	3.4	.7								13.0	7.5	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	5.7	//////	//////
TOTALS	31.3	41.4	18.6	2.6	.5							100.0	6.4	6.0

TOTAL NUMBER OF OBSERVATIONS 871

C - 4 - 30

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.7	3.2	.6	.1								9.7	4.8	4.0
020-040	3.1	1.9	.1									5.1	4.1	4.0
050-070	2.2	1.9	.1									4.2	4.5	4.0
(E) 080-100	2.2	5.0	.7	.2								8.2	6.0	6.0
110-130	2.1	3.6	.7									6.5	6.2	7.0
140-160	.9	2.2	.9	.1								4.1	6.9	7.0
(S) 170-190	1.4	2.9	1.9	.1								6.2	7.3	7.0
200-220	1.5	3.0	1.9	.9								7.2	8.6	8.0
230-250	1.5	2.7	3.0	.5								7.7	8.5	8.0
(W) 260-280	1.5	4.6	2.2	.2								8.6	7.4	7.0
290-310	2.1	5.2	4.1	.7	.1							12.3	8.4	8.0
320-340	2.5	6.6	2.4	.5								12.0	7.2	6.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	8.1	////	////
TOTALS	26.7	42.8	18.6	3.3	.1							100.0	6.3	6.0

TOTAL NUMBER OF OBSERVATIONS 803

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.5	1.2	.5									7.2	4.0	3.0
020-040	1.3	1.2										2.5	4.4	4.0
050-070	2.7	1.3										4.0	3.8	3.5
(E) 080-100	3.4	2.0	.2									5.5	4.4	4.0
110-130	3.5	3.7	.2									7.4	5.0	5.0
140-160	2.3	1.8	1.2									5.4	5.8	5.0
(S) 170-190	1.7	3.4	.7	.2								5.9	6.7	7.0
200-220	1.5	2.5	2.5	.3								6.9	8.2	8.0
230-250	1.8	2.7	1.3									5.9	6.5	6.0
(W) 260-280	1.7	1.7	1.0		.2							4.5	6.7	6.0
290-310	4.0	4.7	1.7									10.4	5.8	5.5
320-340	3.4	5.7	1.3	.2								10.6	5.9	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	23.8	//////	//////
TOTALS	32.8	31.9	10.6	.7	.2							100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 596

C - 4 - 32

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.8	4.3	1.4									11.6	5.3	4.5
020-040	1.4											1.4	2.0	2.0
050-070		1.4										1.4	6.0	6.0
(E) 080-100	7.2											7.2	2.8	2.0
110-130														
140-160														
(S) 170-190	2.9	4.3										7.2	4.2	5.0
200-220	4.3	7.2										11.6	5.8	6.0
230-250		4.3										4.3	7.7	8.0
(W) 260-280	1.4	2.9										4.3	6.7	8.0
290-310	2.9	2.9	4.3									10.1	7.7	6.0
320-340	4.3		1.4									5.8	6.0	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	34.8	//////	//////
TOTALS	30.2	27.3	7.1									100.0	3.7	5.0

TOTAL NUMBER OF OBSERVATIONS 69

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.3	3.5	.7	.0								9.6	4.8	4.0
020-040	4.1	2.4	.2									6.7	4.2	4.0
050-070	2.9	1.6	.0									4.6	4.1	4.0
(E) 080-100	2.3	2.2	.3	.0								4.8	5.1	5.0
110-130	2.0	2.2	.2									4.5	5.3	5.0
140-160	1.6	1.9	.6	.1								4.1	6.0	6.0
(S) 170-190	1.8	2.8	1.3	.1	.0							5.9	6.6	6.0
200-220	1.7	3.2	1.9	.5	.0							7.3	7.9	8.0
230-250	1.8	2.9	1.6	.2	.0							6.5	7.2	7.0
(W) 260-280	1.9	3.7	1.9	.3	.0							7.8	7.3	6.5
290-310	2.8	4.9	2.3	.4	.1							10.4	7.2	6.0
320-340	3.1	5.5	2.2	.3								11.1	6.7	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.6	//////	//////
TOTALS	31.3	36.8	13.2	1.9	.1							100.0	5.2	6.0

TOTAL NUMBER OF OBSERVATIONS 4087

C - 4 - 34

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	12.5	4.6										17.1	3.7	3.0
020-040	12.8	5.9										18.7	3.8	3.0
050-070	7.4	3.6	.2									11.2	4.1	4.0
(E) 080-100	3.0	4.1	1.0									8.0	5.6	5.0
110-130	1.3	1.1	.3									2.8	5.9	6.0
140-160	3.0	1.3	.8									5.1	5.2	4.0
(S) 170-190	1.1	1.3	.3	.3								3.1	6.6	6.0
200-220	.5	1.6	1.1	.2								3.4	7.7	6.0
230-250	.2	.2	.2									.5	7.0	8.0
(W) 260-280	.5											.5	3.0	3.0
290-310	.8	.5										1.3	4.0	3.0
320-340	3.4	.2	.7									4.3	4.2	2.5
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	24.0	//////////	//////////
TOTALS	46.5	24.4	4.6	.5								100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 609

C - 4 - 35

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														4.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	100.0	//////////	
TOTALS													.0	5.0

TOTAL NUMBER OF OBSERVATIONS 1

C - 4 - 36

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.6	3.1										5.8	4.2	5.0
020-040	3.1	.5										3.7	2.7	2.0
050-070	1.0	1.0										2.1	4.5	5.0
(E) 080-100														
110-130	.5											.5	4.0	4.0
140-160	2.6	.5										3.1	3.2	3.5
(S) 170-190	4.2	1.0										5.2	3.4	4.0
200-220	.5	2.1										2.6	5.0	5.0
230-250	2.1	2.1										4.2	4.3	4.5
(W) 260-280		1.0										1.0	5.5	5.5
290-310	1.0	.5	.5									2.1	5.3	4.5
320-340	1.0	1.6										2.6	4.4	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	67.0	//////	//////
TOTALS	18.6	13.4	.5									100.0	1.3	4.0

TOTAL NUMBER OF OBSERVATIONS 191

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.9	3.6	.2									11.8	3.9	3.5
020-040	5.3	1.4		.1								6.8	3.8	3.0
050-070	1.7	.4										2.0	3.1	3.0
(E) 080-100	1.0											1.0	2.4	2.0
110-130	.7	.7										1.4	4.7	4.5
140-160	2.0	1.1		.1								3.2	4.5	4.0
(S) 170-190	4.8	2.3	.1		.1							7.3	4.4	4.0
200-220	4.9	3.7	.2									8.9	4.5	4.0
230-250	2.5	1.2	.2									4.0	4.3	4.0
(W) 260-280	2.5	2.2	.8									5.5	5.3	5.0
290-310	1.9	2.2	.4	.1								4.6	5.4	5.0
320-340	2.8	1.8	.2									4.8	4.6	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	38.7	////	////
TOTALS	38.0	20.6	2.1	.3	.1							100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS . 834

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.9	4.3	.8									10.1	5.1	5.0
020-040	7.5	3.2	.8									11.5	4.4	4.0
050-070	4.2	1.4	.1									5.8	3.8	4.0
(E) 080-100	2.0	.9										2.9	4.0	4.0
110-130	2.1	.9										3.1	3.5	3.0
140-160	2.6	2.3	.7									5.6	5.3	5.0
(S) 170-190	2.3	4.5	1.4									8.2	6.3	6.0
200-220	2.3	5.6	1.4	.1								9.5	6.5	6.0
230-250	2.9	3.4	.6									6.9	5.6	5.0
(W) 260-280	1.6	4.0	1.2	.1								6.9	6.5	6.0
290-310	2.8	4.2	1.2									8.2	5.9	6.0
320-340	2.6	4.2	.6									7.4	5.5	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.8	//////	//////
TOTALS	37.8	38.9	8.8	.2								100.0	4.6	5.0

TOTAL NUMBER OF OBSERVATIONS 852

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.0	3.4	.5	.1								9.0	4.8	4.0
020-040	4.1	2.6	.4									7.0	4.3	4.0
050-070	5.4	2.3	.2									8.0	4.1	4.0
(E) 080-100	2.5	2.7	.1									5.3	4.7	5.0
110-130	3.1	3.4										6.5	4.9	5.0
140-160	1.3	3.3	1.3	.1								6.0	7.1	6.0
(S) 170-190	2.2	6.2	1.4	.1								10.0	6.7	6.0
200-220	2.1	4.9	2.5	.2								9.7	7.4	8.0
230-250	2.1	2.2	1.5	.1								6.0	6.5	6.0
(W) 260-280	2.0	4.7	1.5	.2								8.5	6.9	6.0
290-310	1.9	5.3	1.5									8.7	6.8	6.0
320-340	2.8	4.1	.8									7.7	5.9	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	7.6	//////	//////
TOTALS	34.5	45.1	11.7	.8								100.0	5.5	6.0

TOTAL NUMBER OF OBSERVATIONS : 852

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	3.7	.4									8.6	4.7	4.0
020-040	5.2	1.7		.1								7.0	3.6	3.0
050-070	3.6	1.7										5.3	4.1	4.0
(E) 080-100	2.9	3.9	.7									7.6	5.4	5.0
110-130	1.8	5.3	.9									8.0	6.2	6.0
140-160	1.7	3.8	2.1									7.6	7.2	7.0
(S) 170-190	1.3	5.5	1.3	.2								8.5	6.9	6.0
200-220	1.6	5.5	2.3	.4								9.8	7.5	7.0
230-250	1.0	2.8	.5									4.3	6.3	6.0
(W) 260-280	2.0	3.9	1.3	.1								7.4	6.7	6.0
290-310	2.7	4.8	1.0	.1								8.6	6.0	6.0
320-340	2.0	4.8	.7									7.5	5.9	6.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	9.9	//////////	//////////
TOTALS	30.3	47.4	11.2	.9								100.0	5.4	6.0

TOTAL NUMBER OF OBSERVATIONS 815

C - 4 - 41

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.1	3.1	.4	.2								8.8	4.5	4.0
020-040	2.4	.4										2.7	2.6	2.0
050-070	4.0	.4										4.4	2.8	2.0
(E) 080-100	5.5	3.1										8.6	4.0	4.0
110-130	3.5	3.3	.5									7.3	5.2	5.0
140-160	2.4	4.7	.5									7.7	5.9	6.0
(S) 170-190	3.1	6.0	1.3									10.4	6.0	6.0
200-220	1.1	4.7	.7									6.6	6.9	7.0
230-250	1.8	1.6	.4									3.8	5.2	5.0
(W) 260-280	2.4	2.4	.2									4.9	5.0	5.0
290-310	3.3	1.6	.4									5.3	4.4	4.0
320-340	4.0	.9	.5									5.5	3.9	3.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	24.1	////	////
TOTALS	38.6	32.2	4.9	.2								100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 548

C - 4 - 42

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3											2.3	4.0	4.0
020-040														
050-070	7.0											7.0	2.0	2.0
(E) 080-100	4.7											4.7	3.0	3.0
110-130	2.3											2.3	4.0	4.0
140-160		2.3										2.3	6.0	6.0
(S) 170-190	4.7	4.7										9.3	3.8	3.5
200-220	4.7	2.3										7.0	3.7	3.0
230-250	7.0											7.0	3.3	4.0
(W) 260-280	4.7	2.3										7.0	4.7	4.0
290-310		2.3										2.3	6.0	6.0
320-340	7.0											7.0	3.0	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	41.9	//////	//////
TOTALS	44.4	13.9										100.0	2.1	4.0

TOTAL NUMBER OF OBSERVATIONS 43

C - 4 - 43

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.4	3.6	.4	.0								9.5	4.6	4.0
020-040	4.9	1.9	.2	.0								7.1	4.0	4.0
050-070	3.7	1.3	.1									5.0	3.8	4.0
(E) 080-100	2.5	1.9	.2									4.6	4.5	4.0
110-130	2.1	2.5	.2									4.8	5.2	5.0
140-160	2.0	2.8	.9	.0								5.7	6.1	6.0
(S) 170-190	2.8	4.6	1.0	.1	.0							8.6	6.0	6.0
200-220	2.4	4.8	1.4	.1								8.8	6.5	6.0
230-250	2.2	2.3	.6	.0								5.1	5.6	5.0
(W) 260-280	2.0	3.4	1.0	.1								6.5	6.3	6.0
290-310	2.4	3.6	.9	.0								6.9	5.9	6.0
320-340	2.7	3.2	.6									6.5	5.3	5.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	20.9	////	////
TOTALS	35.1	35.9	7.5	.3								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 4136

C - 4 - 44

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	12.3	3.8										16.1	3.5	3.0
020-040	15.1	2.8										18.0	3.2	3.0
050-070	7.9	1.7										9.6	3.2	3.0
(E) 080-100	2.7	.9										3.6	3.4	2.0
110-130	2.4	1.4	.2									3.9	4.6	4.0
140-160	1.6	1.9	.9	.2								4.6	6.9	6.0
(S) 170-190	3.3	1.3	.3		.2							5.0	4.9	4.0
200-220	1.7	2.2										3.9	5.1	5.0
230-250	.3	.5										.8	5.6	6.0
(W) 260-280	.5											.5	3.0	4.0
290-310	.2		.2									.3	6.0	6.0
320-340	1.7	.6										2.4	3.0	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	31.2	//////	//////
TOTALS	49.7	17.1	1.6	.2	.2							100.0	2.7	3.0

TOTAL NUMBER OF OBSERVATIONS 634

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														3.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	100.0	//////	//////
TOTALS													.0	4.0

TOTAL NUMBER OF OBSERVATIONS.. 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.2											5.2	2.5	2.0
020-040		.5										.5	5.0	5.0
050-070	.5											.5	2.0	2.0
(E) 080-100	.5											.5	2.0	2.0
110-130	1.0	.5										1.5	4.0	4.0
140-160	.5	.5										1.0	4.0	4.0
(S) 170-190	2.6	.5										3.1	3.2	3.0
200-220	3.1	1.0										4.1	3.8	3.0
230-250	2.1	1.0										3.1	4.3	4.0
(W) 260-280	1.0											1.0	3.0	3.0
290-310	2.6	1.0										3.6	3.0	2.0
320-340	1.5	.5										2.1	2.8	2.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	73.7	//////	//////
TOTALS	20.6	5.5										100.0	.9	3.0

TOTAL NUMBER OF OBSERVATIONS 194

C - 4 - 47

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.6	2.0	.2									7.8	3.7	3.0
020-040	2.6	.5										3.0	2.9	2.5
050-070	1.9	.2	.1									2.2	2.9	2.0
(E) 080-100	1.2	.1										1.3	2.2	2.0
110-130	1.4	.1										1.5	2.6	2.0
140-160	3.6	.3										4.0	3.3	3.5
(S) 170-190	4.2	.8										5.0	3.1	3.0
200-220	5.9	1.5	.5									7.9	3.8	3.0
230-250	5.1	1.7										6.9	3.6	3.0
(W) 260-280	4.0	3.0	.2									7.2	4.4	4.0
290-310	3.6	2.6	.3									6.5	4.9	4.0
320-340	5.1	1.6	.1									6.9	3.5	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	39.8	//////	//////
TOTALS	44.2	14.4	1.4									100.0	2.2	3.0

TOTAL NUMBER OF OBSERVATIONS 859

C - 4 - 48

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	2.9	.2									7.8	4.0	3.0
020-040	4.7	2.1										6.7	3.4	3.0
050-070	2.7	.7										3.4	3.0	2.5
(E) 080-100	2.9	.5										3.3	3.0	3.0
110-130	2.3	.2										2.5	3.3	3.0
140-160	2.5	1.1	.1									3.8	4.2	3.0
(S) 170-190	3.2	3.0	.1									6.3	4.5	4.0
200-220	3.8	3.4	.2									7.4	4.8	4.0
230-250	3.3	4.2	.8									8.3	5.4	5.0
(W) 260-280	4.9	7.5	.8									13.2	5.6	5.5
290-310	5.3	4.0	1.1									10.4	5.0	4.0
320-340	5.3	3.7	.6									9.5	4.8	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	17.4	////	////
TOTALS	45.6	33.3	3.9									100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 876

C - 4 - 49

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.9	1.4	.3									6.6	3.8	3.0
020-040	5.0	1.8	.1									7.0	3.5	3.0
050-070	3.1	.6										3.7	3.2	3.0
(E) 080-100	2.2	1.6										3.8	4.4	4.0
110-130	2.4	1.1										3.5	4.0	4.0
140-160	3.0	1.9	.1									5.0	4.2	4.0
(S) 170-190	2.7	2.4	.2									5.4	4.9	4.0
200-220	2.6	5.8	.9									9.4	6.0	6.0
230-250	2.7	5.7	1.3									9.7	6.3	6.0
(W) 260-280	5.0	6.3	1.8									13.2	5.8	6.0
290-310	4.5	6.1	2.1									12.6	5.9	6.0
320-340	4.1	3.0	.6									7.7	4.6	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	12.5	////	////
TOTALS	42.2	37.7	7.4									100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS: 874

C - 4 - 50

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.6	1.7	.1									5.5	4.1	3.0
020-040	3.6	1.0										4.6	3.2	3.0
050-070	3.4	.5										3.9	3.0	3.0
(E) 080-100	3.0	1.3										4.4	4.0	4.0
110-130	1.8	2.2	.6									4.6	5.9	6.0
140-160	1.8	1.2	.1									3.2	4.7	4.0
(S) 170-190	2.9	2.4										5.3	4.7	4.0
200-220	2.9	6.4	.8									10.2	5.9	6.0
230-250	3.9	6.1	.5									10.4	5.5	6.0
(W) 260-280	3.5	5.2	1.2									9.9	5.9	6.0
290-310	7.2	6.4	1.3									14.9	5.1	5.0
320-340	4.2	2.8	.5									7.5	4.4	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	15.6	//////////	
TOTALS	41.8	37.2	5.1									100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 825

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.3	.5										3.8	2.5	2.0
020-040	1.6	.5										2.2	3.1	2.5
050-070	1.8											1.8	2.1	2.0
(E) 080-100	2.4	.9										3.3	3.8	3.0
110-130	1.6	2.7	.2									4.6	5.3	5.0
140-160	1.8	1.3	.2									3.3	4.6	4.0
(S) 170-190	4.2	2.0	.2									6.4	3.7	3.0
200-220	7.7	5.7	.4									13.7	4.5	4.0
230-250	4.9	1.8	.2									6.9	3.8	3.0
(W) 260-280	4.6	4.6										9.1	4.3	4.5
290-310	4.4	2.4	.4	.2								7.3	4.6	3.5
320-340	4.0	1.6										5.7	4.0	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	31.8	////	////
TOTALS	42.3	24.0	1.6	.2								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS: 547

C - 4 - 52

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130														
140-160	2.0											2.0	2.0	2.0
(S) 170-190	5.9											5.9	2.7	2.0
200-220	7.8	3.9										11.8	4.0	3.5
230-250	5.9											5.9	3.3	4.0
(W) 260-280	2.0	2.0										3.9	4.0	4.0
290-310	2.0											2.0	3.0	3.0
320-340	3.9											3.9	2.0	2.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	64.7	//////////	//////////
TOTALS	29.5	5.9										100.0	1.2	3.0

TOTAL NUMBER OF OBSERVATIONS 51

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.5	1.7	.2									6.4	3.7	3.0
020-040	3.5	1.2	.0									4.7	3.3	3.0
050-070	2.5	.4	.0									2.9	3.0	2.0
(E) 080-100	2.2	.8										3.0	3.7	3.0
110-130	1.9	1.1	.1									3.1	4.5	4.0
140-160	2.5	1.1	.1									3.7	4.1	4.0
(S) 170-190	3.4	2.0	.1									5.5	4.2	4.0
200-220	4.3	4.3	.5									9.2	5.0	5.0
230-250	3.9	3.9	.5									8.3	5.1	5.0
(W) 260-280	4.2	5.1	.8									10.1	5.4	5.0
290-310	4.8	4.2	1.0	.0								10.1	5.2	5.0
320-340	4.4	2.5	.4									7.3	4.3	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	25.6	//////////	//////////
TOTALS	42.1	28.3	3.7									100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 4227

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

	WIND SPEED IN KNOTS													
DIRECTION	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL	MEAN	MEDIAN
(DEGREES)												%	WIND	WIND
(N) 350-010	8.1	3.3										11.4	3.6	3.0
020-040	9.9	2.1										12.0	3.1	3.0
050-070	8.6	.8										9.4	2.7	2.0
(E) 080-100	6.3	1.0										7.3	3.2	3.0
110-130	4.8	1.2										5.9	3.5	3.0
140-160	5.6	1.2										6.8	3.5	3.0
(S) 170-190	5.1	1.8										6.9	3.6	3.0
200-220	2.8	1.7										4.5	4.0	4.0
230-250	1.0	.5										1.5	4.0	3.0
(W) 260-280	.2	.5										.7	5.8	6.0
290-310	.2			.2								.3	10.0	10.0
320-340	3.1	.8										4.0	3.4	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	29.4	//////	//////
TOTALS	55.7	14.9		.2								100.0	2.4	3.0

TOTAL NUMBER OF OBSERVATIONS 606

C - 4 - 55

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.1											1.1	4.0	4.0
020-040	.5											.5	2.0	2.0
050-070	1.1											1.1	1.5	1.5
(E) 080-100														
110-130	.5											.5	4.0	4.0
140-160														
(S) 170-190	4.2											4.2	2.0	2.0
200-220	5.3	1.1										6.3	3.1	3.0
230-250	1.6											1.6	2.7	3.0
(W) 260-280	3.7											3.7	2.1	2.0
290-310	1.6											1.6	2.3	2.0
320-340	1.6	.5										2.1	3.5	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	77.4	//////////	//////////
TOTALS	21.2	1.6										100.0	.6	2.0

TOTAL NUMBER OF OBSERVATIONS 190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.0	.7										4.7	2.8	2.0
020-040	2.0	.2										2.2	2.5	2.0
050-070	1.3	.1										1.4	2.3	2.0
(E) 080-100	.6											.6	2.2	2.0
110-130														
140-160	2.0											2.0	2.1	2.0
(S) 170-190	5.9	.6										6.5	2.9	2.0
200-220	10.0	2.2										12.3	3.3	3.0
230-250	4.8	1.1										5.9	3.1	3.0
(W) 260-280	3.8	1.3										5.1	3.7	3.0
290-310	3.2	1.3										4.5	3.9	4.0
320-340	3.8	2.0	.2									6.0	4.1	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	48.7	//////////	//////////
TOTALS	41.4	9.5	.2									100.0	1.7	3.0

TOTAL NUMBER OF OBSERVATIONS 846

C - 4 - 57

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.4	2.7	.5									9.5	4.0	3.5
020-040	3.9	.7										4.6	2.9	2.0
050-070	2.3	.2										2.6	2.5	2.0
(E) 080-100	1.7	.6										2.3	3.6	3.0
110-130	1.0	.3										1.4	3.8	4.0
140-160	2.3	1.9										4.2	4.3	4.0
(S) 170-190	4.9	3.0	.1									8.0	4.2	4.0
200-220	4.5	4.8	.3									9.6	4.7	5.0
230-250	6.4	4.5	.1									11.0	4.3	4.0
(W) 260-280	4.3	4.5	.1									8.9	4.7	5.0
290-310	5.0	4.2	.9									10.1	4.9	5.0
320-340	5.7	4.1	.6									10.3	4.5	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.3	//////	//////
TOTALS	48.4	31.5	2.6									100.0	3.5	4.0

TOTAL NUMBER OF OBSERVATIONS 861

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.8	1.7	.5	.1								8.1	4.3	3.5
020-040	2.9	.3										3.3	3.1	3.0
050-070	1.3											1.3	2.5	2.0
(E) 080-100	1.9	.3										2.2	3.5	4.0
110-130	1.9	1.3	.1									3.3	4.5	4.0
140-160	1.6	1.9	.1									3.6	4.8	5.0
(S) 170-190	3.6	4.9	.3									8.8	5.1	5.0
200-220	4.1	6.4	.7									11.2	5.6	6.0
230-250	3.5	5.9	1.2									10.6	5.6	5.0
(W) 260-280	4.0	4.4	1.0									9.4	5.5	5.0
290-310	6.6	6.2	.7									13.5	5.1	5.0
320-340	4.7	5.1	.3	.2								10.4	4.9	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.3	//////	//////
TOTALS	41.9	38.4	4.9	.3								100.0	4.3	5.0

TOTAL NUMBER OF OBSERVATIONS 859

C - 4 - 59

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.4	1.6	.5	.1								5.6	4.5	3.5
020-040	2.6	.2	.1									2.9	3.1	2.0
050-070	1.1											1.1	3.2	3.0
(E) 080-100	2.3	.6	.2									3.2	4.2	3.0
110-130	1.2	1.5	.4									3.1	6.0	6.0
140-160	1.7	1.7										3.4	4.7	4.5
(S) 170-190	5.8	3.9	.1									9.8	4.5	4.0
200-220	6.3	6.7	.5									13.5	5.1	5.0
230-250	5.2	5.4	1.0									11.5	5.1	5.0
(W) 260-280	4.4	5.0	.5									9.9	4.8	5.0
290-310	6.0	3.3	.6	.1								10.1	4.6	4.0
320-340	6.6	3.9	.4									10.9	4.2	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.8	//////	//////
TOTALS	46.6	33.8	4.3	.2								100.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS 815

C - 4 - 60

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	.9	1.1	.2									2.3	4.8	5.0
020-040	1.5											1.5	2.5	2.0
050-070	1.3											1.3	1.9	2.0
(E) 08C-100	1.7	.4										2.1	2.9	2.0
110-130	.8	1.3										2.1	5.5	6.0
140-160	2.6	1.9										4.5	4.4	4.0
(S) 170-190	5.8	3.6	.4									9.8	4.3	4.0
200-220	6.8	5.5	.2									12.4	4.5	4.0
230-250	4.7	3.4	.2									8.3	4.5	4.0
(W) 260-280	4.3	1.7										6.0	3.5	3.0
290-310	5.1	.8	.4									6.2	3.6	3.0
320-340	5.3	1.3	.4									7.0	3.5	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	36.7	//////	//////
TOTALS	40.8	21.0	1.8									100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 532

C - 4 - 61

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														
020-040	2.4											2.4	2.0	2.0
050-070														
(E) 080-100	2.4											2.4	2.0	2.0
110-130														
140-160														
(S) 170-190	2.4	2.4										4.9	5.0	5.0
200-220	4.9	2.4										7.3	4.3	4.0
230-250	4.9	4.9										9.8	4.5	4.5
(W) 260-280		2.4										2.4	8.0	8.0
290-310														
320-340														
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	70.7	//////////	//////////
TOTALS	17.0	12.1										100.0	1.3	4.0

TOTAL NUMBER OF OBSERVATIONS 41

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	1.5	.3	.0								6.1	4.0	3.0
020-040	2.6	.3	.0									2.9	2.9	2.0
050-070	1.4	.1										1.5	2.5	2.0
(E) 080-100	1.6	.4	.0									2.0	3.6	3.0
110-130	1.0	.8	.1									1.9	5.0	4.0
140-160	1.9	1.4	.0									3.3	4.2	4.0
(S) 170-190	5.1	3.0	.2									8.3	4.3	4.0
200-220	6.2	4.9	.3									11.4	4.6	4.0
230-250	4.8	3.9	.5									9.2	4.7	4.0
(W) 260-280	4.1	3.4	.3									7.8	4.6	4.0
290-310	5.0	3.2	.5	.0								8.7	4.7	4.0
320-340	5.0	3.3	.4	.0								8.7	4.4	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	28.4	//////////	//////////
TOTALS	42.9	26.2	2.6									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 4144

C - 4 - 63

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	8.4	1.5										9.9	3.3	3.0
020-040	9.4	.5										9.9	2.7	2.0
050-070	5.6											5.6	2.3	2.0
(E) 080-100	4.3	.3										4.6	2.8	2.0
110-130	1.0	.8										1.8	3.9	4.0
140-160	3.6	2.8										6.3	4.0	4.0
(S) 170-190	6.6	2.5	.8									9.9	4.1	4.0
200-220	8.1	1.8										9.9	3.3	3.0
230-250	2.3	.3										2.5	3.7	3.0
(W) 260-280	1.0	.3										1.3	3.4	4.0
290-310	.5	.3										.8	3.0	2.0
320-340	2.0	.3										2.3	2.9	2.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	35.3	//////	//////
TOTALS	52.8	11.4	.8									100.0	2.1	3.0

TOTAL NUMBER OF OBSERVATIONS 394

C - 4 - 64

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.0	.5										2.5	3.0	3.0
020-040	.5											.5	4.0	4.0
050-070														
(E) 080-100														
110-130														
140-160	.5											.5	3.0	3.0
(S) 170-190	3.0	1.0										4.0	3.3	3.0
200-220	3.5	2.5										6.0	3.6	3.0
230-250	1.5	1.5										3.0	4.3	4.0
(W) 260-280	1.0	.5										1.5	4.3	4.0
290-310	.5											.5	3.0	3.0
320-340	1.0	.5										1.5	3.0	2.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	79.9	//////////	//////////
TOTALS	13.5	6.5										100.0	.7	3.0

TOTAL NUMBER OF OBSERVATIONS 199

C - 4 - 65

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	1.0										4.8	3.0	2.0
020-040	2.5	.7	.2									3.4	3.6	3.0
050-070	.6	.1										.7	3.3	3.0
(E) 080-100	.2	.1										.3	3.7	4.0
110-130	.2											.2	1.0	1.0
140-160	1.9	.3										2.3	3.3	3.0
(S) 170-190	4.2	1.1										5.3	3.4	3.0
200-220	6.1	3.0	.1									9.2	3.8	4.0
230-250	3.0	1.5	.1									4.6	3.9	4.0
(W) 260-280	2.3	1.1										3.4	3.9	4.0
290-310	2.7	.6	.1									3.4	3.6	3.0
320-340	3.3	1.4										4.6	3.5	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	57.8	//////////	//////////
TOTALS	30.8	10.9	.5									100.0	1.5	3.0

TOTAL NUMBER OF OBSERVATIONS. 888

C - 4 - 66

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.8	2.2										9.0	3.3	3.0
020-040	5.1	2.2	.2									7.5	4.1	4.0
050-070	2.3	.3										2.6	2.5	2.0
(E) 080-100	2.2	.7										2.8	3.3	2.5
110-130	1.4	.5										2.0	3.0	2.0
140-160	2.1	1.1										3.2	4.0	4.0
(S) 170-190	4.9	2.4	.2									7.5	4.2	4.0
200-220	5.5	4.8	.3									10.6	4.9	4.0
230-250	3.9	3.6	.1									7.7	4.6	4.0
(W) 260-280	5.1	4.2	.5									9.8	4.8	4.0
290-310	4.8	4.0	.7									9.5	5.0	4.0
320-340	5.7	3.3	.1									9.1	4.0	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	18.7	//////	//////
TOTALS	49.8	29.3	2.1									100.0	3.4	4.0

TOTAL NUMBER OF OBSERVATIONS 915

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	2.5	.1									6.5	4.2	4.0
020-040	5.5	1.3	.1									6.9	3.6	3.0
050-070	2.9	1.1	.1									4.1	3.8	3.0
(E) 080-100	1.9	.9										2.7	3.3	2.0
110-130	1.9	.5										2.4	3.5	3.0
140-160	2.9	1.6	.1									4.6	4.3	3.5
(S) 170-190	4.6	3.9	.5	.1								9.2	5.1	4.5
200-220	3.2	5.4	.7									9.2	5.9	6.0
230-250	4.4	5.7	.8									10.9	5.4	5.0
(W) 260-280	5.6	6.7	1.5	.1								13.9	5.8	6.0
290-310	4.9	5.9	.5	.1								11.5	5.2	5.0
320-340	5.3	2.1	.2									7.6	3.9	4.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	10.5	//////////	//////////
TOTALS	46.9	37.6	4.6	.3								100.0	4.3	4.0

TOTAL NUMBER OF OBSERVATIONS: 912

C - 4 - 68

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	1.2	.2									6.1	3.7	3.0
020-040	2.9	.7	.2									3.9	3.5	2.0
050-070	2.6	.2	.1									2.9	3.4	3.0
(E) 080-100	2.8	1.6	.1									4.6	4.3	4.0
110-130	.7	1.6	.1									2.5	5.4	6.0
140-160	2.5	2.0										4.5	4.4	4.0
(S) 170-190	4.3	3.5	.8									8.7	5.0	4.5
200-220	4.8	5.6	.7									11.1	5.1	5.0
230-250	5.5	5.4	.4									11.3	4.7	5.0
(W) 260-280	4.8	4.7	.8									10.3	5.1	5.0
290-310	6.4	4.3	.6									11.4	4.7	4.0
320-340	5.9	2.2	.1									8.2	3.9	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	14.7	//////	//////
TOTALS	47.9	33.0	4.1									100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 853

C - 4 - 69

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIR MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.8	1.2										4.1	3.8	4.0
020-040	1.8	1.8										3.5	4.4	4.5
050-070	1.2	.5										1.8	3.4	3.0
(E) 080-100	2.1	.9										3.0	3.8	3.0
110-130	2.8	1.8										4.6	4.7	4.0
140-160	2.5	1.8	.2									4.4	4.3	4.0
(S) 170-190	4.9	1.8	.2									6.9	4.0	4.0
200-220	6.4	4.2										10.6	4.2	4.0
230-250	4.8	1.2										6.0	3.3	3.0
(W) 260-280	4.4	.9	.2									5.5	3.6	3.0
290-310	2.7	1.6	.4	.2								4.8	4.7	4.0
320-340	3.9	.4										4.2	2.6	2.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	40.6	//////	//////
TOTALS	40.3	18.1	1.0	.2								100.0	2.3	4.0

TOTAL NUMBER OF OBSERVATIONS 566

C - 4 - 70

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	1.9	1.9										3.8	4.0	4.0
020-040		3.8	1.9									5.8	7.3	7.0
050-070														
(E) 080-100														
110-130														
140-160	1.9											1 9	3.0	3.0
(S) 170-190	1.9	1.9										3.8	4.5	4.5
200-220	7.7	3.8										11.5	3.7	3.0
230-250														
(W) 260-280														
290-310	1.9	1.9										3.8	5.0	5.0
320-340														
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	69.2	//////////	//////////
TOTALS	15.3	13.3	1.9									100.0	1.4	4.5

TOTAL NUMBER OF OBSERVATIONS 52

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.4	1.6	.1									6.1	3.6	3.0
020-040	3.5	1.3	.2									5.0	3.9	3.0
050-070	1.8	.4	.0									2.3	3.3	3.0
(E) 080-100	1.7	.8	.0									2.5	3.7	3.0
110-130	1.2	.8	.0									2.0	4.1	4.0
140-160	2.3	1.3	.0									3.6	4.1	4.0
(S) 170-190	4.5	2.5	.3	.0								7.4	4.4	4.0
200-220	5.0	4.5	.4									9.9	4.8	4.0
230-250	4.1	3.5	.3									7.9	4.6	4.0
(W) 260-280	4.2	3.5	.6	.0								8.4	5.0	4.0
290-310	4.2	3.3	.4	.0								8.0	4.8	4.0
320-340	4.6	1.9	.1									6.6	3.8	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	30.3	//////	//////
TOTALS	41.5	25.4	2.4									100.0	3.0	4.0

TOTAL NUMBER OF OBSERVATIONS 4385

C - 4 - 72

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.9	2.3										9.2	3.2	2.5
020-040	6.7	5.5	1.1									13.4	4.8	4.5
050-070	2.7	1.5										4.2	3.9	4.0
(E) 080-100	2.7	.6										3.3	2.9	2.0
110-130	.2	.4										.6	4.3	5.0
140-160	2.9	1.3										4.2	4.2	4.0
(S) 170-190	5.0	4.4	.2									9.6	4.5	4.0
200-220	3.8	3.4	.2									7.5	4.5	4.0
230-250	2.1	.4										2.5	3.7	4.0
(W) 260-280	1.1	.4										1.5	3.5	3.5
290-310														
320-340	1.3	1.1										2.5	3.8	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	41.7	//////	//////
TOTALS	35.4	21.3	1.5									100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 523

C - 4 - 73

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	25.0											25.0	2.0	2.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190			25.0									25.0	13.0	13.0
200-220														
230-250														
(W) 260-280														
290-310														
320-340														
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	50.0	//////////	//////////
TOTALS	25.0		25.0									100.0	3.8	7.5

TOTAL NUMBER OF OBSERVATIONS 4

C - 4 - 74

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.7	1.1										4.8	3.1	3.0
020-040	1.6											1.6	1.3	1.0
050-070	.5											.5	3.0	3.0
(E) 080-100														
110-130	.5											.5	2.0	2.0
140-160	1.1											1.1	3.0	3.0
(S) 170-190	4.3											4.3	2.8	3.0
200-220	1.6	1.6										3.2	4.2	4.5
230-250	1.1	.5										1.6	4.0	4.0
(W) 260-280	1.1	.5										1.6	4.3	4.0
290-310	1.6											1.6	2.7	3.0
320-340	3.2											3.2	2.2	2.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	75.9	//////	//////
TOTALS	20.3	3.7										100.0	.7	3.0

TOTAL NUMBER OF OBSERVATIONS 187

C - 4 - 75

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.0	1.2										6.2	3.2	3.0
020-040	2.3											2.3	2.1	2.0
050-070	.5	.2										.7	2.8	2.0
(E) 080-100	1.1	.1										1.2	2.6	2.0
110-130	.6											.6	2.8	3.0
140-160	1.5	.1										1.6	2.9	3.0
(S) 170-190	2.3	1.5										3.8	4.0	4.0
200-220	4.6	2.8	.2									7.6	4.4	4.0
230-250	2.9	1.5										4.4	4.0	4.0
(W) 260-280	2.3	1.7	.1									4.1	4.4	4.0
290-310	2.2	1.2	.1									3.5	4.2	4.0
320-340	3.8	1.2										5.0	3.2	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	59.0	//////	//////
TOTALS	29.1	11.5	.4									100.0	1.5	3.0

TOTAL NUMBER OF OBSERVATIONS 825

C - 4 - 76

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.8	3.0	.1									9.8	3.8	3.0
020-040	4.7	1.2										5.9	3.2	3.0
050-070	2.8	.2										3.1	2.5	2.0
(E) 080-100	2.5	.1	.2									2.8	3.5	3.0
110-130	1.7	.5										2.1	3.6	4.0
140-160	2.0	.6										2.6	3.5	3.0
(S) 170-190	2.5	2.1	.2									4.9	5.0	4.0
200-220	3.3	5.6	1.1									10.0	6.0	6.0
230-250	2.8	3.9	.6									7.3	5.6	6.0
(W) 260-280	4.3	3.3	.8									8.4	5.2	4.0
290-310	6.4	5.3	.8									12.6	5.0	4.0
320-340	3.7	4.5	.5									8.6	5.2	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.8	//////	//////
TOTALS	43.5	30.3	4.3									100.0	3.7	4.0

TOTAL NUMBER OF OBSERVATIONS 844

C - 4 - 77

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.5	1.7										7.1	3.4	3.0
020-040	3.6	.8										4.4	3.2	3.0
050-070	3.7	.5										4.2	2.8	2.0
(E) 080-100	2.1	1.4	.2		.1							3.9	4.8	4.0
110-130	1.7	.6					.1					2.4	5.0	3.5
140-160	1.5	1.5										3.1	4.7	4.5
(S) 170-190	2.6	3.9	.4									6.9	5.2	5.0
200-220	3.3	5.9	1.7									10.9	6.1	6.0
230-250	2.5	5.0	1.7									9.1	6.5	6.0
(W) 260-280	4.9	6.9	1.4									13.2	5.6	5.0
290-310	4.8	7.7	.8									13.3	5.4	5.0
320-340	5.3	4.8	.1									10.2	4.6	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	11.3	//////	//////
TOTALS	41.5	40.7	6.3		.1		.1					100.0	4.5	5.0

TOTAL NUMBER OF OBSERVATIONS 842

C - 4 - 78

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.0	1.3	.1									6.4	3.3	2.5
020-040	2.6	.4										2.9	2.7	2.0
050-070	2.1	.1										2.2	2.4	2.0
(E) 080-100	3.2	2.2										5.4	4.2	4.0
110-130	1.2	1.3										2.4	4.8	5.0
140-160	1.7	1.5										3.2	4.5	4.0
(S) 170-190	2.7	3.7	.8									7.2	5.8	5.5
200-220	4.1	6.2	1.3									11.5	6.0	6.0
230-250	4.6	3.8	.3	.1								8.8	4.8	4.0
(W) 260-280	5.3	4.4	.6									10.3	4.6	4.0
290-310	7.2	4.9	.6									12.7	4.5	4.0
320-340	4.5	5.0	.3									9.7	4.6	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.2	//////	//////
TOTALS	44.2	34.8	4.0	.1								100.0	3.9	4.0

TOTAL NUMBER OF OBSERVATIONS 780

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	2.3	.2										2.4	2.7	3.0
020-040	1.7											1.7	2.6	2.0
050-070	1.1											1.1	2.3	2.0
(E) 080-100	3.4	.4										3.8	2.9	3.0
110-130	1.9	.9										2.8	4.3	4.0
140-160	2.6	1.1	.2									4.0	4.5	4.0
(S) 170-190	3.2	4.1	.2									7.5	4.6	5.0
200-220	6.0	2.4	.6									9.0	4.3	3.5
230-250	3.4	1.3										4.7	3.6	3.0
(W) 260-280	2.3	.8	.8									3.8	5.2	4.0
290-310	3.8	1.3	.2									5.3	3.5	3.5
320-340	2.8	.6										3.4	3.2	3.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	50.5	////	////
TOTALS	34.5	13.1	2.0									100.0	1.9	3.0

TOTAL NUMBER OF OBSERVATIONS 531

C - 4 - 80

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190	6.7	4.4	4.4									15.6	6.0	6.0
200-220	2.2	2.2										4.4	3.0	3.0
230-250		2.2										2.2	6.0	6.0
(W) 260-280	2.2		2.2									4.4	7.0	7.0
290-310	4.4		2.2									6.7	6.0	3.0
320-340	4.4											4.4	1.5	1.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	62.2	//////	//////
TOTALS	19.9	8.8	8.8									100.0	2.0	4.0

TOTAL NUMBER OF OBSERVATIONS 45

C - 4 - 81

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.0	1.5	.0									6.6	3.4	3.0
020-040	3.0	.5										3.5	2.9	2.0
050-070	2.0	.2										2.2	2.6	2.0
(E) 080-100	2.2	.8	.1		.0							3.2	3.9	3.0
110-130	1.3	.6					.0					1.9	4.3	4.0
140-160	1.7	.9	.0									2.7	4.1	4.0
(S) 170-190	2.7	2.9	.4									6.0	5.0	5.0
200-220	4.0	4.6	.9									9.5	5.5	5.0
230-250	3.1	3.1	.5	.0								6.7	5.3	5.0
(W) 260-280	3.7	3.4	.7									7.9	5.1	5.0
290-310	4.8	4.1	.5									9.4	4.8	4.0
320-340	4.1	3.2	.2									7.4	4.4	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	33.0	//////	//////
TOTALS	37.6	25.8	3.3									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 4058

C - 4 - 82

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	14.2	2.0										16.1	2.9	2.0
020-040	9.3	1.6										10.9	2.8	2.0
050-070	6.3	.7										7.0	2.5	2.0
(E) 080-100	3.0	.9	.4									4.3	3.8	3.0
110-130	2.0	.7										2.7	3.8	4.0
140-160	3.0	.7										3.8	3.6	3.0
(S) 170-190	.7	1.6										2.3	4.8	5.0
200-220	2.3	2.2										4.5	4.7	4.0
230-250	.5	.5	.2									1.3	5.1	5.0
(W) 260-280	.7											.7	3.3	4.0
290-310	1.1	.4										1.4	4.0	3.5
320-340	4.5	.5										5.0	2.7	2.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	40.0	////	////
TOTALS	47.6	11.8	.6									100.0	1.9	3.0

TOTAL NUMBER OF OBSERVATIONS 558

C - 4 - 83

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.8	1.3										5.1	3.0	2.0
020-040	.6											.6	1.0	1.0
050-070	.6											.6	2.0	2.0
(E) 080-100														
110-130	.6											.6	4.0	4.0
140-160	2.6	.6										3.2	2.8	2.0
(S) 170-190	4.5	1.3										5.8	3.2	3.0
200-220	3.8	1.3										5.1	3.6	3.5
230-250	2.6	1.9										4.5	4.9	4.0
(W) 260-280	1.9	.6										2.6	3.5	3.5
290-310	2.6	.6										3.2	3.4	4.0
320-340	3.2	1.3										4.5	3.1	2.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	64.1	//////	//////
TOTALS	26.8	8.9										100.0	1.2	3.0

TOTAL NUMBER OF OBSERVATIONS 156

C - 4 - 84

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.9	1.8	.1									6.8	3.7	3.0
020-040	1.4	1.0										2.4	3.9	4.0
050-070	.5	.4										.8	4.4	4.0
(E) 080-100														
110-130	.5	.2										.7	4.2	4.0
140-160	1.6	.2										1.8	2.9	2.0
(S) 170-190	3.0	1.1										4.1	3.6	3.0
200-220	3.7	1.0	.2									4.9	3.8	3.0
230-250	3.3	1.1	.1	.1								4.7	4.4	4.0
(W) 260-280	3.6	1.9	.2									5.7	4.5	4.0
290-310	1.4	2.3	.5									4.2	5.9	6.0
320-340	2.9	1.3										4.2	3.6	3.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	59.7	////	////
TOTALS	26.8	12.3	1.1	.1								100.0	1.7	4.0

TOTAL NUMBER OF OBSERVATIONS 837

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.1	3.6	.5									11.2	4.2	4.0
020-040	4.1	2.2										6.2	3.9	4.0
050-070	2.2	.7										2.8	3.4	2.0
(E) 080-100	1.6	.2										1.8	2.4	2.0
110-130	1.2	.3	.1									1.7	4.5	4.0
140-160	1.5	.8	.2									2.5	4.3	4.0
(S) 170-190	3.7	2.3	.3									6.3	4.4	4.0
200-220	2.9	3.7	.6									7.2	5.2	5.0
230-250	1.8	3.6	1.1	.1	.1							6.8	6.8	6.0
(W) 260-280	1.8	6.0	1.9	.2								10.0	7.0	6.0
290-310	2.0	6.7	1.8									10.5	6.5	6.0
320-340	3.4	4.9	.9									9.2	5.5	5.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	23.7	////	////
TOTALS	33.3	35.0	7.4	.3	.1							100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS . 883

C - 4 - 86

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.9	2.3	.1									7.3	3.6	3.0
020-040	4.7	1.9										6.6	3.9	4.0
050-070	3.3	.3										3.6	3.0	2.5
(E) 080-100	2.4	.8	.1	.1								3.4	4.2	3.0
110-130	2.5	2.5	.1									5.1	4.6	5.0
140-160	1.6	2.2	.1									3.9	4.8	5.0
(S) 170-190	2.5	3.4	.8									6.7	5.6	5.0
200-220	3.1	4.3	2.0	.2								9.7	6.7	6.0
230-250	3.0	4.4	1.6		.1							9.1	6.4	6.0
(W) 260-280	2.8	6.4	2.0									11.3	6.7	6.0
290-310	3.3	7.6	2.2	.2								13.3	6.6	6.0
320-340	2.6	5.8	1.3									9.7	6.0	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	10.4	//////	//////
TOTALS	36.7	41.9	10.3	.5	.1							100.0	5.0	5.0

TOTAL NUMBER OF OBSERVATIONS 879

C - 4 - 87

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.4	1.6	.5									7.4	3.8	3.0
020-040	2.7	1.1	.2									4.0	4.5	4.0
050-070	2.1	.5										2.6	2.8	2.0
(E) 080-100	3.0	1.9	.1		.1							5.2	4.6	4.0
110-130	1.6	2.1	.4		.1							4.1	5.8	5.5
140-160	3.2	1.5										4.6	3.9	4.0
(S) 170-190	3.3	3.5	.9									7.7	5.1	5.0
200-220	2.8	4.4	.4									7.6	5.5	6.0
230-250	3.3	3.5	.5									7.3	5.1	5.0
(W) 260-280	3.2	4.8	1.5	.1								9.5	6.1	6.0
290-310	3.9	4.4	1.5									9.7	5.5	5.0
320-340	5.1	4.1	.7									10.0	4.8	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	20.2	//////	//////
TOTALS	39.6	33.4	6.7	.1	.2							100.0	4.0	5.0

TOTAL NUMBER OF OBSERVATIONS 821

C - 4 - 88

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	3.0	2.0										5.0	4.1	3.5
020-040	1.4	.4	.4									2.1	4.0	2.0
050-070	.7											.7	2.0	2.0
(E) 080-100	1.4	.4	.2									2.0	4.5	3.0
110-130	1.4	.9	.2									2.5	4.5	4.0
140-160	2.5	.4										2.9	2.8	2.0
(S) 170-190	4.1	1.8	.2									6.1	3.9	3.0
200-220	3.2	2.9	.2									6.2	4.6	4.0
230-250	2.5	1.1										3.6	3.5	3.0
(W) 260-280	3.2	2.5	.5									6.2	5.2	4.0
290-310	3.0	3.0	.2									6.2	4.6	5.0
320-340	3.4	1.1										4.5	3.5	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	52.0	//////	//////
TOTALS	29.8	16.5	1.9									100.0	2.0	4.0

TOTAL NUMBER OF OBSERVATIONS 561

C - 4 - 89

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.9											5.9	3.0	3.0
020-040		2.0										2.0	8.0	8.0
050-070	3.9											3.9	1.5	1.5
(E) 080-100														
110-130														
140-160														
(S) 170-190		2.0										2.0	7.0	7.0
200-220		2.0										2.0	7.0	7.0
230-250														
(W) 260-280	5.9	3.9										9.8	4.2	4.0
290-310	2.0											2.0	2.0	2.0
320-340	2.0	2.0										3.9	3.0	3.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	68.6	////	////
TOTALS	19.7	11.9										100.0	1.2	4.0

TOTAL NUMBER OF OBSERVATIONS 51

C - 4 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.2	2.2	.2									7.7	3.9	3.0
020-040	2.9	1.3	.1									4.3	4.0	4.0
050-070	1.8	.4										2.2	3.1	2.0
(E) 080-100	1.6	.6	.1	.0	.0							2.4	4.1	3.0
110-130	1.4	1.2	.1		.0							2.7	4.9	4.0
140-160	2.0	1.0	.1									3.1	3.9	4.0
(S) 170-190	3.3	2.4	.4									6.1	4.7	4.0
200-220	3.1	3.2	.7	.0								7.1	5.4	5.0
230-250	2.7	2.8	.7	.0	.0							6.3	5.6	5.0
(W) 260-280	2.9	4.3	1.2	.1								8.5	6.1	6.0
290-310	2.7	4.7	1.2	.0								8.7	6.0	6.0
320-340	3.4	3.5	.6									7.6	5.0	5.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	33.2	////	////
TOTALS	33.0	27.6	5.4	.1								100.0	3.3	5.0

TOTAL NUMBER OF OBSERVATIONS 4190

C - 4 - 91

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	11.9	2.6	.7									15.2	3.5	2.0
020-040	4.4	3.5										7.9	4.3	4.0
050-070	2.8	1.4										4.2	3.7	2.5
(E) 080-100	3.5	.5	.7		.2							4.9	5.0	3.0
110-130	2.8	.7	.5		.2							4.2	5.3	4.0
140-160	3.0	1.6										4.7	4.2	4.0
(S) 170-190	3.7	1.6										5.4	3.9	3.0
200-220	2.1	.7										2.8	3.8	4.0
230-250	.7	.2	.2	.2								1.4	7.8	4.5
(W) 260-280	.7	.9										1.6	4.7	5.0
290-310	.2	.2	.2									.7	6.0	6.0
320-340	1.9	.9										2.8	3.8	2.5
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	44.2	//////////	//////////
TOTALS	37.7	14.8	2.3	.2	.4							100.0	2.3	3.0

TOTAL NUMBER OF OBSERVATIONS 428

C - 4 - 92

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 03-05

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010														3.0
020-040														
050-070														
(E) 080-100														
110-130														
140-160														
(S) 170-190														
200-220														
230-250														
(W) 260-280														
290-310														
320-340		33.3										33.3	5.0	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	66.7	//////////	
TOTALS		33.3										100.0	1.7	5.0

TOTAL NUMBER OF OBSERVATIONS 3

C - 4 - 93

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.9	2.8	.2									7.9	3.9	3.0
020-040	.8	.8										1.5	4.6	4.5
050-070	.2											.2	2.0	2.0
(E) 080-100		.2	.2									.3	9.0	9.0
110-130	.8											.8	3.0	3.0
140-160	1.4	.5	.2									2.0	3.8	3.0
(S) 170-190	3.1	1.7	.2									4.9	4.5	4.0
200-220	4.6	3.5	.2									8.3	4.6	4.0
230-250	3.4	1.9	.5									5.7	4.3	3.0
(W) 260-280	3.4	2.9	.8									7.1	5.4	5.0
290-310	3.1	3.1	.6	.2								6.9	5.2	5.0
320-340	4.2	2.6	.6									7.4	4.7	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	46.9	//////	//////
TOTALS	29.9	20.0	3.5	.2								100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS 648

C - 4 - 94

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.8	3.6	.4	.1								8.9	4.7	4.0
020-040	2.9	1.1	.1									4.1	3.8	4.0
050-070	1.4	.1										1.5	2.4	2.0
(E) 080-100	.5	.1										.6	2.8	2.0
110-130	.2	.2										.5	4.0	4.0
140-160	2.1	.2	.4									2.7	4.2	3.0
(S) 170-190	3.5	2.0										5.5	4.1	3.0
200-220	4.8	4.8	1.6	.1								11.4	5.8	5.0
230-250	2.9	4.8	1.2									8.9	5.9	5.0
(W) 260-280	2.2	5.7	1.2									9.2	6.6	6.0
290-310	3.1	8.1	1.9	.1								13.1	6.6	6.0
320-340	4.2	6.4	1.5									12.1	6.0	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	21.4	//////	//////
TOTALS	32.6	37.1	8.3	.3								100.0	4.4	5.0

TOTAL NUMBER OF OBSERVATIONS 807

C - 4 - 95

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	2.5	.5									7.2	4.3	4.0
020-040	3.7	.7										4.5	2.9	2.0
050-070	1.9	.1										2.0	3.0	2.0
(E) 080-100	1.0	.6										1.6	4.2	4.0
110-130	.4	.6										1.0	5.6	6.5
140-160	1.4	1.1	.4									2.9	5.3	5.0
(S) 170-190	1.7	3.1	.1									5.0	5.3	5.0
200-220	3.6	4.5	2.1	.1								10.3	6.5	6.0
230-250	2.1	4.9	1.6	.1								8.7	6.7	6.0
(W) 260-280	1.9	7.3	2.0									11.2	7.0	7.0
290-310	3.4	9.3	5.0	.1								17.8	7.3	7.0
320-340	4.2	7.7	2.1									14.1	6.2	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	13.8	//////	//////
TOTALS	29.5	42.4	13.8	.3								100.0	5.3	6.0

TOTAL NUMBER OF OBSERVATIONS 804

C - 4 - 96

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.7	1.8										6.6	3.5	3.0
020-040	1.8	.8										2.6	3.8	3.0
050-070	2.4	.3										2.6	2.6	2.0
(E) 080-100	1.6	.4	.1									2.1	3.6	2.5
110-130	1.7	.9	.1									2.8	4.4	4.0
140-160	2.1	1.2	.1									3.4	4.2	3.5
(S) 170-190	3.4	3.0	.1									6.6	4.8	4.0
200-220	3.4	3.6	.5									7.5	5.4	5.0
230-250	3.3	4.0	.7									7.9	5.6	5.0
(W) 260-280	4.0	5.3	1.2									10.4	5.8	6.0
290-310	6.1	9.4	2.4									17.8	5.8	6.0
320-340	4.6	5.9	1.8									12.4	5.7	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	17.3	//////	//////
TOTALS	39.1	36.6	7.0									100.0	4.2	5.0

TOTAL NUMBER OF OBSERVATIONS 759

C - 4 - 97

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.2	1.5	.3									6.0	3.8	2.5
020-040	2.0	.2										2.2	2.6	2.0
050-070	1.7											1.7	3.0	3.0
(E) 080-100	.3	.5										.8	3.8	5.0
110-130	.5											.5	2.0	2.0
140-160	2.8	.8										3.7	3.4	3.0
(S) 170-190	4.2	2.0										6.2	3.9	3.0
200-220	4.5	1.3										5.9	3.6	3.0
230-250	1.3	2.0	.3									3.7	5.1	5.0
(W) 260-280	5.4	3.0	.3									8.7	4.3	4.0
290-310	5.7	5.9	1.5									13.1	5.3	5.0
320-340	3.4	4.4	1.0									8.7	5.6	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	38.9	//////	//////
TOTALS	36.0	21.6	3.4									100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS 597

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
L3T TO UTC: + 5 MONTH: NOV HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.1	4.1										10.2	4.6	4.0
020-040	2.0	1.0										3.1	4.0	4.0
050-070	1.0											1.0	4.0	4.0
(E) 080-100														
110-130	1.0											1.0	4.0	4.0
140-160	1.0											1.0	3.0	3.0
(S) 170-190	8.2	2.0	1.0									11.2	4.3	3.0
200-220	3.1	2.0										5.1	4.2	4.0
230-250	3.1	1.0										4.1	4.5	4.0
(W) 260-280	2.0	3.1	1.0									6.1	6.0	6.0
290-310	3.1	1.0	1.0									5.1	5.0	3.0
320-340	2.0	2.0	2.0									6.1	6.5	6.5
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	45.9	//////	//////
TOTALS	32.6	16.2	5.0									100.0	2.6	4.0

TOTAL NUMBER OF OBSERVATIONS 98

C - 4 - 99

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.6	2.5	.3	.0								7.5	4.1	3.0
020-040	2.3	.8	.0									3.1	3.5	3.0
050-070	1.5	.1										1.6	2.8	2.0
(E) 080-100	.7	.3	.1									1.1	4.0	3.0
110-130	.7	.4	.0									1.1	4.3	4.0
140-160	1.9	.8	.2									2.9	4.2	3.0
(S) 170-190	3.3	2.4	.1									5.8	4.5	4.0
200-220	4.1	3.6	.9	.1								8.8	5.4	5.0
230-250	2.6	3.6	.9	.0								7.1	5.7	5.0
(W) 260-280	3.2	5.0	1.2									9.3	6.0	6.0
290-310	4.2	7.2	2.3	.1								13.8	6.3	6.0
320-340	4.1	5.5	1.5									11.1	5.8	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	26.9	//////	//////
TOTALS	33.2	32.2	7.5	.2								100.0	3.9	5.0

TOTAL NUMBER OF OBSERVATIONS 3716

C - 4 - 100

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	11.7	12.4	1.0									25.0	4.6	5.0
020-040	5.2	3.6	.2									9.0	4.2	4.0
050-070	.7											.7	2.3	2.0
(E) 080-100	.2	1.9	.2									2.4	6.0	6.0
110-130	.7		.2									1.0	4.8	4.0
140-160	2.9	.7										3.6	3.1	2.0
(S) 170-190	2.4	3.3	.2									6.0	5.6	6.0
200-220	2.1	2.1	.2									4.5	5.4	6.0
230-250	.5	1.2	.2									1.9	5.5	5.0
(W) 260-280	.5	.7	.2									1.4	6.0	6.0
290-310	1.7	.5										2.1	3.6	3.0
320-340	6.0	3.3	.5									9.8	4.1	3.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	32.6	//////	//////
TOTALS	34.6	29.7	2.9									100.0	3.1	4.0

TOTAL NUMBER OF OBSERVATIONS 420

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.1	2.2	.9									8.1	4.3	4.0
020-040	.7	.3	.1									1.2	4.8	4.0
050-070														
(E) 080-100														
110-130														
140-160	1.0	.1										1.2	2.9	3.0
(S) 170-190	2.6	1.4										4.0	4.0	4.0
200-220	5.1	2.5	.1									7.7	3.9	3.0
230-250	1.9	1.4	.3	.1								3.8	5.3	4.5
(W) 260-280	4.2	2.9	.4									7.5	5.1	4.0
290-310	3.5	3.8	.4									7.7	5.0	5.0
320-340	4.5	2.2	.4									7.1	4.2	4.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	51.9	//////	//////
TOTALS	28.6	16.8	2.6	.1								100.0	2.2	4.0

TOTAL NUMBER OF OBSERVATIONS 692

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.2	2.8	.6									10.6	4.0	3.0
020-040	1.5	1.1										2.6	4.3	4.0
050-070	.2											.2	3.0	3.0
(E) 080-100	.1											.1	2.0	2.0
110-130	.2											.2	2.5	2.5
140-160	.6	.2										.8	3.7	4.0
(S) 170-190	1.7	2.4	.5									4.5	5.7	6.0
200-220	3.9	3.1	.4									7.3	4.8	4.0
230-250	3.2	4.4	1.1									8.6	5.8	6.0
(W) 260-280	4.1	5.8	1.5									11.5	5.9	6.0
290-310	4.5	6.5	1.3									12.3	5.8	6.0
320-340	5.3	5.0	.9	.6								11.8	5.8	5.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	29.4	////	////
TOTALS	32.5	31.3	6.3	.6								100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS 847

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 12-14

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.7	3.3	.4									9.3	4.3	4.0
020-040	2.2	.8										3.0	3.7	4.0
050-070	1.1											1.1	2.1	2.0
(E) 080-100	.2	.2										.5	4.5	4.5
110-130	1.0	.1										1.1	2.9	2.0
140-160	1.3	.4										1.7	3.3	3.5
(S) 170-190	2.5	2.3	.5	.2								5.5	5.7	5.0
200-220	3.4	3.0	.8									7.2	5.6	5.5
230-250	2.2	2.9	1.6									6.6	6.4	6.0
(W) 260-280	3.1	8.6	3.3	.2	.1							15.3	7.0	6.0
290-310	4.9	11.1	2.5	.4								18.9	6.6	6.0
320-340	4.5	6.4	2.5	.2								13.6	6.3	6.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	16.1	//////	//////
TOTALS	32.1	39.1	11.6	1.0	.1							100.0	5.0	6.0

TOTAL NUMBER OF OBSERVATIONS: 830

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	7.2	2.1	.3									9.6	3.6	3.0
020-040	2.2	.5	.1									2.9	3.3	2.0
050-070	.8	.3										1.1	3.5	3.5
(E) 080-100	.5	.5										1.1	4.4	4.5
110-130	.7	.3										.9	3.7	4.0
140-160	1.6	.3										1.8	3.4	3.0
(S) 170-190	2.5	1.4	.3									4.2	4.3	4.0
200-220	4.1	2.9	.3									7.2	4.6	4.0
230-250	5.0	2.8	.3									8.0	4.4	4.0
(W) 260-280	4.6	6.4	1.4	.1								12.6	5.8	6.0
290-310	6.8	8.3	1.6	.5								17.2	5.9	6.0
320-340	4.2	4.3	1.3	.3								10.1	5.6	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	23.2	//////	//////
TOTALS	40.2	30.1	5.6	.9								100.0	3.8	4.0

TOTAL NUMBER OF OBSERVATIONS 760

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 18-20

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.3	2.7										7.0	4.3	4.0
020-040	1.3	.2										1.4	2.4	2.0
050-070	.7											.7	2.8	3.0
(E) 080-100	.4	.2										.5	3.7	4.0
110-130	.2											.2	2.0	2.0
140-160	1.6	.4										2.0	3.5	4.0
(S) 170-190	3.2	.5										3.8	3.3	3.0
200-220	3.6	1.4	.5									5.6	4.5	4.0
230-250	3.4	1.4										4.8	3.7	4.0
(W) 260-280	6.8	4.5	.9									12.2	4.8	4.0
290-310	4.3	3.8	1.1	.4								9.5	5.7	5.0
320-340	4.5	1.6	1.1	.4								7.5	5.3	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	44.7	////	////
TOTALS	34.3	16.7	3.6	.8								100.0	2.5	4.0

TOTAL NUMBER OF OBSERVATIONS.. 557

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 21-23

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	4.1	1.4	1.4									6.8	6.0	4.0
020-040		1.4										1.4	5.0	5.0
050-070														
(E) 080-100														
110-130	4.1											4.1	3.0	3.0
140-160	4.1											4.1	3.3	4.0
(S) 170-190	1.4	2.7										4.1	5.7	6.0
200-220	6.8		1.4	1.4								9.6	5.6	3.0
230-250		1.4										1.4	6.0	6.0
(W) 260-280	1.4	1.4										2.7	4.0	4.0
290-310		1.4	1.4									2.7	8.0	8.0
320-340	5.5	5.5	4.1									15.1	5.9	6.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	47.9	////	////
TOTALS	27.4	15.2	8.3	1.4								100.0	2.8	4.0

TOTAL NUMBER OF OBSERVATIONS 73

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	6.0	2.6	.5									9.0	4.1	4.0
020-040	1.6	.6	.1									2.3	3.7	4.0
050-070	.6	.1										.6	2.8	2.0
(E) 080-100	.2	.2										.4	4.1	4.0
110-130	.5	.1										.6	3.1	3.0
140-160	1.3	.3										1.5	3.3	3.0
(S) 170-190	2.4	1.7	.3	.1								4.5	4.8	4.0
200-220	4.0	2.6	.5	.0								7.1	4.8	4.0
230-250	3.1	2.7	.7	.0								6.5	5.3	5.0
(W) 260-280	4.4	5.7	1.6	.1	.0							11.8	5.9	6.0
290-310	4.8	6.9	1.4	.2								13.3	6.0	6.0
320-340	4.6	4.2	1.4	.3								10.4	5.7	5.0
VARIABLE														
CALM	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	//////	32.0	//////	//////
TOTALS	33.5	27.7	6.5	.7								100.0	3.5	5.0

TOTAL NUMBER OF OBSERVATIONS 3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	20.0	4.9	.7									25.6	3.5	3.0
020-040	4.7	2.1	.5									7.2	4.2	4.0
050-070	.7											.7	3.3	4.0
(E) 080-100	.2	.7										.9	4.8	5.0
110-130	.9	.2										1.2	3.4	3.0
140-160	1.6	.2										1.9	2.9	2.0
(S) 170-190	1.6	2.1	.5									4.2	5.2	5.0
200-220	1.9	2.3	1.2									5.3	5.9	6.0
230-250	.7	.2										.9	4.8	4.0
(W) 260-280	.2		.2									.5	7.0	7.0
290-310		.2	.9									1.2	11.2	12.0
320-340	4.7	1.4	.5	.2								6.7	4.5	4.0
VARIABLE														
CALM	////	////	////	////	////	////	////	////	////	////	////	43.7	////	////
TOTALS	37.2	14.3	4.5	.2								100.0	2.4	4.0

TOTAL NUMBER OF OBSERVATIONS 430

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	5.1	2.8	.4	.0								8.3	4.3	4.0
020-040	3.1	1.2	.1	.0								4.4	3.8	3.0
050-070	1.9	.5	.0									2.4	3.4	3.0
(E) 080-100	1.5	.8	.1	.0	.0							2.4	4.2	4.0
110-130	1.2	.9	.1		.0		.0					2.2	4.7	4.0
140-160	1.8	1.2	.2	.0	.0	.0						3.3	4.7	4.0
(S) 170-190	3.0	2.7	.5	.1	.0	.0						6.3	5.2	5.0
200-220	3.4	3.7	.9	.1	.0							8.1	5.6	5.0
230-250	2.9	3.0	.7	.0	.0							6.7	5.5	5.0
(W) 260-280	3.2	4.4	1.3	.1	.0							9.0	6.0	6.0
290-310	3.9	5.1	1.5	.1	.0							10.6	6.0	6.0
320-340	4.2	4.2	.9	.1	.0							9.5	5.3	5.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	26.7	//////////	
TOTALS	35.2	30.5	6.7	.5								100.0	3.8	5.0

TOTAL NUMBER OF OBSERVATIONS: 48715

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

DIRECTION (DEGREES)	WIND SPEED IN KNOTS 1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-49	50-64	GE 65	TOTAL %	MEAN WIND	MEDIAN WIND
(N) 350-010	12.1	5.2	.3									17.7	3.8	3.0
020-040	8.4	3.5	.4									12.3	3.9	3.0
050-070	4.8	1.3	.1									6.1	3.4	3.0
(E) 080-100	3.0	1.3	.3		.0							4.6	4.2	4.0
110-130	1.7	.7	.2		.0							2.5	4.5	4.0
140-160	2.6	1.2	.4	.1	.0	.0						4.4	5.1	4.0
(S) 170-190	2.9	2.1	.4	.2	.1	.0						5.7	5.4	4.0
200-220	2.3	1.8	.4	.0	.0							4.5	5.1	4.0
230-250	.7	.4	.1	.0								1.2	5.1	4.0
(W) 260-280	.5	.2	.1									.9	4.6	4.0
290-310	.6	.2	.1	.0								1.0	4.8	3.0
320-340	3.4	1.2	.2	.0								4.7	3.7	3.0
VARIABLE														
CALM	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	//////////	34.4	//////////	//////////
TOTALS	43.0	19.1	3.0	.3	.1							100.0	2.7	4.0

TOTAL NUMBER OF OBSERVATIONS: 5926

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PPPPPPPP        AAAAAA        RRRRRRRR        TTTTTTTTTT        DDDDDDDD
PPPPPPPPP      AAAAAAAA       RRRRRRRRR       TTTTTTTTTT        DDDDDDDDD
PP      PP     AA      AA     RR      RR          TT            DD      DD
PP      PP     AA      AA     RR      RR          TT            DD      DD
PPPPPPPPP      AA      AA     RRRRRRRRR           TT            DD      DD
PPPPPPPP       AAAAAAAAAA     RRRRRRRR            TT            DD      DD
PP             AAAAAAAAAA     RR     RR           TT            DD      DD
PP             AA      AA     RR     RR           TT            DD      DD
PP             AA      AA     RR      RR          TT            DDDDDDDDD
PP             AA      AA     RR       RR         TT            DDDDDDDDD
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PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET--"NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT-HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.
ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURRED, OR TOTALLY OBSCURRED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

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NOTE 2. AIRWAYS STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR

1/8 THRU 4/8.....SCATTERED

5/8 THRU 7/8.....BROKEN

8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS," HOWEVER, ARE INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: 5 MONTH: JAN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.0	45.0	48.5	48.8	49.2	49.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 20000	47.5	48.5	52.5	52.9	53.9	54.0	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	47.9	48.9	53.3	53.9	54.9	55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 16000	47.9	48.9	53.3	53.9	54.9	55.0	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 14000	48.2	49.2	53.6	54.2	55.2	55.3	55.9	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0	56.0
GE 12000	49.1	50.2	54.8	55.3	56.3	56.5	57.0	57.0	57.0	57.0	57.0	57.0	57.2	57.2	57.2	57.2
GE 10000	54.2	55.9	60.6	61.1	62.1	62.3	62.8	62.8	62.8	62.8	62.8	62.8	63.0	63.0	63.0	63.0
GE 9000	54.9	56.6	61.4	62.0	63.0	63.1	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
GE 8000	59.0	60.9	65.7	66.4	68.1	68.2	68.8	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.1
GE 7000	61.7	63.7	68.5	69.4	71.5	71.8	72.3	72.5	72.5	72.5	72.5	72.5	72.6	72.6	72.6	72.6
GE 6000	62.8	64.8	69.6	70.5	72.6	72.9	73.5	73.6	73.6	73.8	73.8	73.8	73.9	73.9	73.9	73.9
GE 5000	63.8	65.8	70.8	71.6	73.8	74.0	74.6	74.8	74.8	74.9	74.9	74.9	75.0	75.0	75.0	75.0
GE 4500	64.5	66.7	71.6	72.5	74.6	74.9	75.5	75.6	75.6	76.0	76.0	76.0	76.2	76.2	76.2	76.2
GE 4000	65.5	67.7	72.9	73.9	76.0	76.3	76.9	77.0	77.0	77.4	77.4	77.4	77.6	77.6	77.6	77.6
GE 3500	67.7	69.8	75.2	76.2	78.3	78.6	79.3	79.4	79.4	79.9	79.9	79.9	80.0	80.0	80.0	80.0
GE 3000	68.5	70.8	76.6	77.6	79.9	80.1	81.0	81.1	81.1	81.6	81.6	81.6	81.7	81.7	81.7	81.7
GE 2500	69.5	71.8	77.7	78.7	81.1	81.4	82.3	82.4	82.4	82.8	82.8	82.8	83.0	83.0	83.0	83.0
GE 2000	70.8	73.5	79.4	80.6	83.4	84.0	85.7	86.2	86.2	86.8	86.8	86.8	87.1	87.1	87.1	87.1
GE 1800	70.9	73.6	79.6	80.7	83.5	84.1	85.8	86.4	86.4	87.0	87.0	87.0	87.2	87.2	87.2	87.2
GE 1500	71.3	74.0	80.1	81.3	84.1	84.7	86.7	87.5	87.5	88.2	88.2	88.2	88.7	88.7	88.7	88.7
GE 1200	71.5	74.3	80.7	82.0	85.0	85.5	87.7	88.8	88.8	89.5	89.5	89.5	89.9	89.9	89.9	89.9
GE 1000	71.8	74.6	81.1	82.4	85.4	86.0	88.5	90.1	90.1	90.9	91.1	91.1	91.6	91.6	91.8	91.8
GE 900	71.8	74.6	81.4	82.7	85.7	86.5	89.1	90.6	90.6	91.5	91.6	91.6	92.2	92.2	92.3	92.3
GE 800	71.8	74.9	81.7	83.0	86.0	86.8	89.4	90.9	90.9	91.8	91.9	91.9	92.5	92.5	92.8	92.8
GE 700	71.9	75.0	81.8	83.1	86.1	87.0	89.5	91.2	91.2	92.2	92.5	92.5	93.0	93.0	93.3	93.3
GE 600	71.9	75.0	81.8	83.1	86.1	87.0	89.5	91.2	91.2	92.2	92.5	92.5	93.0	93.0	93.3	93.3
GE 500	72.1	75.2	82.0	83.4	86.4	87.2	89.8	91.5	91.5	92.8	93.0	93.0	94.2	94.2	94.5	94.6
GE 400	72.1	75.2	82.0	83.4	86.4	87.2	89.8	91.6	91.6	92.9	93.3	93.3	94.5	94.5	94.9	95.2
GE 300	72.1	75.2	82.0	83.4	86.4	87.2	89.9	91.8	91.8	93.0	93.5	93.5	94.9	95.5	96.2	96.6
GE 200	72.1	75.2	82.0	83.5	86.7	87.5	90.2	92.1	92.1	93.6	94.0	94.0	96.2	96.7	97.6	98.3
GE 100	72.1	75.2	82.0	83.5	86.7	87.5	90.2	92.1	92.1	93.6	94.0	94.2	96.5	97.3	98.6	99.7
GE 000	72.1	75.2	82.0	83.5	86.7	87.5	90.2	92.1	92.1	93.6	94.0	94.2	96.5	97.3	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 705

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.0	44.7	45.9	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.5	46.5	46.5	46.5
GE 20000	50.0	51.7	53.5	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.3
GE 18000	50.2	51.9	53.9	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9
GE 16000	50.2	51.9	53.9	54.3	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9	54.9	54.9	54.9
GE 14000	50.3	52.1	54.0	54.5	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.3	55.3	55.3	55.3
GE 12000	53.0	54.8	56.7	57.2	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	58.0	58.0	58.0	58.0
GE 10000	57.0	58.9	61.0	61.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	62.2	62.2	62.2	62.2
GE 9000	57.3	59.4	61.5	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.8	62.8	62.8	62.8
GE 8000	60.3	62.6	65.5	66.2	67.0	67.0	67.1	67.1	67.1	67.2	67.2	67.2	67.6	67.6	67.6	67.6
GE 7000	62.2	64.6	68.4	69.1	70.2	70.2	70.3	70.3	70.3	70.4	70.4	70.4	70.8	70.8	70.8	70.8
GE 6000	63.4	65.8	69.7	70.7	71.8	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.4	72.4	72.4	72.4
GE 5000	64.0	66.6	70.5	71.9	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.9	73.9	73.9	73.9
GE 4500	64.4	67.0	71.0	72.4	73.9	74.1	74.2	74.2	74.2	74.3	74.3	74.3	74.7	74.7	74.7	74.7
GE 4000	65.6	68.3	72.3	73.6	75.1	75.3	75.5	75.5	75.6	75.7	75.7	75.7	76.0	76.0	76.0	76.0
GE 3500	67.2	69.9	74.3	75.7	77.3	77.5	77.7	77.7	77.9	78.0	78.0	78.0	78.4	78.4	78.4	78.4
GE 3000	69.1	71.7	76.3	77.6	79.7	79.9	80.1	80.1	80.3	80.4	80.4	80.4	80.8	80.8	80.8	80.8
GE 2500	70.0	72.6	77.7	79.1	81.3	81.5	82.0	82.2	82.3	82.4	82.4	82.4	82.9	82.9	82.9	82.9
GE 2000	70.7	73.3	78.7	80.0	82.3	82.6	83.2	83.7	83.8	84.0	84.0	84.0	84.5	84.5	84.5	84.5
GE 1800	70.9	73.5	78.9	80.3	82.5	82.9	83.8	84.2	84.6	84.8	84.8	84.8	85.3	85.3	85.3	85.3
GE 1500	71.3	74.1	80.0	81.5	83.8	84.1	85.3	86.5	86.9	87.2	87.2	87.2	87.8	87.8	87.8	87.8
GE 1200	71.8	74.9	81.4	83.1	85.6	86.0	87.2	88.5	88.8	89.2	89.4	89.4	90.0	90.0	90.0	90.0
GE 1000	72.1	75.2	81.7	83.9	87.1	87.9	89.6	91.0	91.3	91.7	91.9	91.9	92.5	92.5	92.6	92.6
GE 900	72.1	75.2	81.8	84.0	87.2	88.1	90.0	91.3	91.7	92.1	92.4	92.4	92.9	92.9	93.0	93.0
GE 800	72.3	75.3	82.1	84.2	87.4	88.4	90.2	91.8	92.1	92.8	93.2	93.2	93.8	93.8	93.9	93.9
GE 700	72.4	75.5	82.2	84.4	87.7	88.6	90.4	92.1	92.5	93.2	93.5	93.5	94.2	94.2	94.3	94.3
GE 600	72.4	75.5	82.2	84.5	87.8	88.9	90.8	92.5	92.8	93.6	93.9	93.9	95.0	95.0	95.4	95.4
GE 500	72.4	75.5	82.2	84.6	87.9	89.0	90.9	92.6	92.9	93.9	94.3	94.3	95.3	95.5	96.0	96.0
GE 400	72.4	75.5	82.2	84.6	87.9	89.0	90.9	92.6	93.0	94.2	94.5	94.5	95.8	96.1	96.7	96.8
GE 300	72.4	75.5	82.3	84.7	88.0	89.2	91.0	92.7	93.2	94.3	94.6	94.6	96.1	96.5	97.3	97.6
GE 200	72.4	75.5	82.3	84.7	88.0	89.2	91.0	92.8	93.3	94.6	95.0	95.0	96.8	97.1	98.2	98.6
GE 100	72.4	75.5	82.3	84.7	88.0	89.2	91.0	92.8	93.3	94.6	95.0	95.0	97.0	97.4	98.7	99.8
GE 000	72.4	75.5	82.3	84.7	88.0	89.2	91.0	92.8	93.3	94.6	95.0	95.0	97.0	97.4	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 876

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.2	48.0	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
GE 20000	53.7	54.8	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	54.2	55.2	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 16000	54.3	55.4	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 14000	54.3	55.4	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
GE 12000	56.7	57.8	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 10000	60.4	61.4	62.1	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 9000	60.6	61.7	62.4	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 8000	65.7	67.3	68.1	68.4	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 7000	66.4	68.0	69.2	69.4	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 6000	66.9	68.5	69.7	70.0	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 5000	68.1	69.9	71.3	71.7	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4500	68.7	70.4	71.9	72.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4000	71.2	73.3	74.8	75.1	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
GE 3500	72.8	75.0	76.5	76.9	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 3000	75.8	78.1	80.0	80.4	81.5	81.5	81.6	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9
GE 2500	77.0	79.3	81.7	82.7	83.9	83.9	84.0	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3
GE 2000	78.5	80.8	83.4	84.5	85.8	85.8	86.2	86.4	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7
GE 1800	78.5	80.8	83.4	84.6	86.0	86.0	86.3	86.5	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
GE 1500	78.9	81.7	84.9	86.1	87.7	87.7	88.6	88.8	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4
GE 1200	79.6	82.4	85.7	86.9	89.1	89.1	90.1	90.3	90.7	90.8	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	79.6	82.4	86.1	87.5	89.8	89.8	91.3	91.5	91.9	92.2	92.4	92.4	92.4	92.4	92.4	92.4
GE 900	79.6	82.4	86.1	87.5	89.9	89.9	91.5	92.3	92.8	93.0	93.2	93.2	93.4	93.4	93.4	93.4
GE 800	79.6	82.5	86.3	87.9	90.6	90.6	92.2	93.2	93.7	93.9	94.1	94.1	94.4	94.4	94.4	94.4
GE 700	79.6	82.5	86.4	88.1	90.8	90.8	92.4	93.4	93.9	94.1	94.6	94.6	94.8	94.8	94.9	94.9
GE 600	79.6	82.5	86.4	88.4	91.0	91.0	92.6	93.8	94.4	94.7	95.3	95.3	95.6	95.6	95.9	95.9
GE 500	79.6	82.5	86.4	88.4	91.1	91.1	92.8	93.9	94.5	94.8	95.4	95.4	95.9	95.9	96.1	96.1
GE 400	79.6	82.5	86.4	88.4	91.1	91.1	93.2	94.4	94.9	95.3	96.3	96.3	96.9	96.9	97.1	97.1
GE 300	79.6	82.5	86.4	88.4	91.1	91.1	93.3	94.5	95.1	95.4	96.5	96.5	97.4	97.5	97.9	98.3
GE 200	79.6	82.5	86.4	88.4	91.1	91.1	93.3	94.6	95.2	95.7	96.9	96.9	97.8	97.9	98.4	99.1
GE 100	79.6	82.5	86.4	88.4	91.1	91.1	93.3	94.6	95.3	95.9	97.1	97.1	98.0	98.2	98.8	100.0
GE 000	79.6	82.5	86.4	88.4	91.1	91.1	93.3	94.6	95.3	95.9	97.1	97.1	98.0	98.2	98.8	100.0

TOTAL NUMBER OF OBSERVATIONS 869

D - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.3	52.3	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	56.0	57.0	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 18000	56.6	57.6	57.6	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 16000	56.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 14000	57.3	58.3	58.3	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 12000	59.7	60.6	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 10000	62.8	63.8	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	63.4	64.4	64.5	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 8000	67.7	68.8	69.7	70.0	70.2	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 7000	68.5	69.6	70.5	70.9	71.0	71.0	71.0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 6000	68.6	69.7	70.8	71.1	71.3	71.3	71.3	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 5000	70.0	71.1	72.6	73.2	73.5	73.5	73.5	73.8	73.8	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 4500	70.8	71.9	73.3	74.0	74.2	74.2	74.2	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 4000	72.6	74.0	75.6	76.2	76.4	76.4	76.4	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 3500	74.7	76.0	78.1	78.9	79.3	79.3	79.3	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
GE 3000	77.3	78.7	80.9	81.9	82.8	82.8	82.8	83.3	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6
GE 2500	78.2	79.8	82.0	83.1	84.2	84.2	84.2	84.7	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1
GE 2000	79.1	80.8	83.6	85.0	86.6	86.6	86.6	87.0	87.0	87.3	87.4	87.4	87.4	87.4	87.8	87.8
GE 1800	79.3	81.1	83.9	85.2	86.9	86.9	87.0	87.5	87.5	87.8	87.9	87.9	87.9	87.9	88.3	88.3
GE 1500	80.1	81.9	85.0	86.4	88.8	88.8	89.0	89.5	89.5	89.7	89.9	89.9	89.9	89.9	90.2	90.2
GE 1200	80.8	82.6	85.7	87.4	90.6	90.7	91.1	91.6	91.6	91.8	91.9	91.9	91.9	91.9	92.3	92.3
GE 1000	80.9	82.8	85.8	87.7	90.8	91.0	91.8	92.5	92.5	92.9	93.3	93.3	93.4	93.4	93.8	93.8
GE 900	80.9	82.8	85.8	87.7	90.8	91.0	91.8	92.8	92.8	93.3	93.6	93.6	93.8	93.8	94.1	94.1
GE 800	80.9	82.9	85.9	87.9	91.1	91.2	92.3	93.4	93.4	93.9	94.3	94.3	94.5	94.5	94.9	94.9
GE 700	80.9	82.9	86.1	88.0	91.3	91.4	92.7	93.9	93.9	94.4	94.7	94.7	95.0	95.0	95.4	95.4
GE 600	80.9	82.9	86.1	88.0	91.3	91.4	92.7	94.1	94.1	94.6	95.0	95.0	95.4	95.4	95.7	95.7
GE 500	80.9	82.9	86.1	88.0	91.3	91.4	92.7	94.3	94.3	94.7	95.1	95.1	95.5	95.5	96.0	96.1
GE 400	80.9	82.9	86.1	88.0	91.3	91.4	92.8	94.6	94.6	95.2	95.8	96.0	96.6	96.6	97.4	97.6
GE 300	80.9	82.9	86.1	88.0	91.4	91.6	93.2	95.0	95.0	95.6	96.3	96.5	97.3	97.4	98.5	98.7
GE 200	80.9	82.9	86.1	88.0	91.4	91.6	93.2	95.0	95.0	95.6	96.3	96.5	97.4	97.6	98.9	99.1
GE 100	80.9	82.9	86.1	88.0	91.4	91.6	93.2	95.0	95.0	95.6	96.3	96.5	97.8	97.9	99.3	99.9
GE 000	80.9	82.9	86.1	88.0	91.4	91.6	93.2	95.0	95.0	95.6	96.3	96.5	97.8	97.9	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 818

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	60.3	61.8	62.3	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.7	62.7	62.7	62.7	62.9	62.9
GE 20000	65.8	67.3	67.7	67.7	67.7	67.9	67.9	67.9	67.9	67.9	68.2	68.2	68.2	68.2	68.3	68.3
GE 18000	66.1	67.6	68.0	68.0	68.0	68.2	68.2	68.2	68.2	68.2	68.5	68.5	68.5	68.5	68.6	68.6
GE 16000	66.7	68.2	68.6	68.6	68.6	68.8	68.8	68.8	68.8	68.8	69.1	69.1	69.1	69.1	69.2	69.2
GE 14000	67.0	68.5	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.5	69.5	69.5	69.5	69.7	69.7
GE 12000	68.2	69.7	70.3	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.8	70.8	70.8	70.8	70.9	70.9
GE 10000	70.5	72.1	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.5	73.5
GE 9000	70.5	72.1	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.3	73.3	73.3	73.3	73.5	73.5
GE 8000	73.9	75.6	76.8	77.0	77.0	77.1	77.1	77.1	77.1	77.4	77.7	77.7	77.7	77.7	77.9	77.9
GE 7000	74.4	76.1	77.3	77.7	77.7	77.9	77.9	77.9	77.9	78.2	78.5	78.5	78.5	78.5	78.6	78.6
GE 6000	74.7	76.4	77.7	78.2	78.2	78.3	78.3	78.3	78.3	78.6	78.9	78.9	78.9	78.9	79.1	79.1
GE 5000	75.0	76.7	78.2	78.6	78.6	78.8	78.8	78.8	78.8	79.1	79.4	79.4	79.4	79.4	79.5	79.5
GE 4500	76.5	78.5	80.0	80.5	80.5	80.6	80.6	80.6	80.6	80.9	81.2	81.2	81.2	81.2	81.4	81.4
GE 4000	78.6	80.6	82.3	82.7	82.7	82.9	82.9	82.9	82.9	83.2	83.5	83.5	83.5	83.5	83.6	83.6
GE 3500	79.8	81.8	83.5	84.2	84.2	84.4	84.4	84.4	84.4	84.7	85.0	85.0	85.0	85.0	85.2	85.2
GE 3000	80.6	82.7	84.8	85.6	85.6	85.8	85.9	85.9	85.9	86.2	86.5	86.5	86.7	86.7	86.8	86.8
GE 2500	81.2	83.6	85.9	86.8	86.8	87.0	87.3	87.4	87.4	87.7	88.0	88.0	88.2	88.2	88.3	88.3
GE 2000	82.1	84.7	87.0	87.9	88.3	88.5	88.8	88.9	88.9	89.2	89.5	89.5	89.7	89.7	90.2	90.2
GE 1800	82.1	84.7	87.0	87.9	88.5	88.6	88.9	89.1	89.1	89.4	89.7	89.7	89.8	89.8	90.3	90.3
GE 1500	82.6	85.2	87.4	88.3	89.8	90.0	90.6	90.8	90.8	91.1	91.4	91.4	91.5	91.5	92.0	92.0
GE 1200	82.7	85.3	87.6	88.5	90.3	90.5	91.4	91.5	92.0	92.3	92.6	92.6	92.7	92.7	93.2	93.2
GE 1000	83.2	85.8	88.0	88.9	90.8	90.9	92.1	92.3	92.7	93.0	93.5	93.5	94.2	94.2	94.7	94.7
GE 900	83.3	85.9	88.3	89.4	91.2	91.4	92.6	92.7	93.2	93.5	93.9	93.9	94.7	94.7	95.2	95.2
GE 800	83.5	86.1	88.5	89.5	91.4	91.5	92.7	92.9	93.3	93.6	94.1	94.1	95.3	95.3	95.8	95.8
GE 700	83.5	86.1	88.5	89.5	91.4	91.7	93.0	93.2	93.6	94.2	94.7	94.7	95.9	95.9	96.4	96.4
GE 600	83.6	86.2	88.6	89.7	91.5	91.8	93.2	93.3	93.9	94.5	95.0	95.0	96.2	96.2	96.7	96.7
GE 500	83.9	86.5	88.9	90.0	91.8	92.1	93.5	93.8	94.4	95.0	95.8	95.8	97.0	97.0	97.4	97.6
GE 400	83.9	86.5	88.9	90.0	91.8	92.1	93.5	93.8	94.4	95.0	95.8	95.8	97.0	97.0	97.4	97.6
GE 300	83.9	86.5	88.9	90.0	91.8	92.1	93.6	93.9	94.5	95.2	96.1	96.1	97.4	97.4	97.9	98.3
GE 200	83.9	86.5	88.9	90.0	91.8	92.1	93.6	93.9	94.5	95.2	96.1	96.1	97.6	97.6	98.3	98.9
GE 100	83.9	86.5	88.9	90.0	91.8	92.1	93.6	93.9	94.5	95.2	96.1	96.1	97.6	97.6	98.6	99.7
GE 000	83.9	86.5	88.9	90.0	91.8	92.1	93.6	93.9	94.5	95.2	96.1	96.1	97.6	97.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 660

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.3	68.3	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 20000	69.5	69.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 18000	69.5	69.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 16000	69.5	69.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 14000	69.5	69.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 12000	69.5	69.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 10000	72.0	72.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 9000	72.0	72.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 8000	74.4	74.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 7000	75.6	75.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 6000	75.6	75.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 5000	75.6	75.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 4500	78.0	78.0	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 4000	81.7	81.7	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 3500	82.9	82.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 3000	84.1	84.1	85.4	85.4	85.4	85.4	85.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2500	84.1	84.1	85.4	85.4	85.4	85.4	85.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2000	84.1	84.1	86.6	86.6	87.8	87.8	87.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1800	84.1	84.1	86.6	86.6	87.8	87.8	87.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1500	84.1	84.1	86.6	87.8	89.0	89.0	89.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1200	84.1	84.1	86.6	87.8	89.0	89.0	89.0	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 1000	84.1	84.1	86.6	87.8	89.0	89.0	90.2	91.5	91.5	92.7	95.1	95.1	95.1	95.1	95.1	95.1
GE 900	84.1	84.1	86.6	87.8	89.0	89.0	90.2	91.5	91.5	92.7	95.1	95.1	95.1	95.1	95.1	95.1
GE 800	84.1	84.1	86.6	87.8	89.0	89.0	90.2	91.5	92.7	93.9	96.3	96.3	97.6	97.6	97.6	97.6
GE 700	84.1	84.1	86.6	87.8	89.0	89.0	90.2	91.5	92.7	93.9	96.3	96.3	97.6	97.6	97.6	97.6
GE 600	84.1	84.1	86.6	87.8	89.0	89.0	90.2	91.5	92.7	93.9	96.3	96.3	97.6	97.6	97.6	97.6
GE 500	85.4	85.4	87.8	89.0	90.2	90.2	91.5	92.7	93.9	95.1	97.6	97.6	100.0	100.0	100.0	100.0
GE 400	85.4	85.4	87.8	89.0	90.2	90.2	91.5	92.7	93.9	95.1	97.6	97.6	100.0	100.0	100.0	100.0
GE 300	85.4	85.4	87.8	89.0	90.2	90.2	91.5	92.7	93.9	95.1	97.6	97.6	100.0	100.0	100.0	100.0
GE 200	85.4	85.4	87.8	89.0	90.2	90.2	91.5	92.7	93.9	95.1	97.6	97.6	100.0	100.0	100.0	100.0
GE 100	85.4	85.4	87.8	89.0	90.2	90.2	91.5	92.7	93.9	95.1	97.6	97.6	100.0	100.0	100.0	100.0
GE 000	85.4	85.4	87.8	89.0	90.2	90.2	91.5	92.7	93.9	95.1	97.6	97.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 82

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.2	50.3	51.5	51.6	51.8	51.8	51.9	51.9	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0
GE 20000	54.6	55.8	57.2	57.4	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
GE 18000	55.0	56.2	57.7	57.9	58.2	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5
GE 16000	55.2	56.4	57.8	58.1	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
GE 14000	55.4	56.6	58.1	58.4	58.7	58.7	58.8	58.8	58.8	58.8	58.9	58.9	59.0	59.0	59.0	59.0
GE 12000	57.3	58.6	60.1	60.4	60.7	60.7	60.8	60.8	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.0
GE 10000	61.0	62.4	64.0	64.3	64.6	64.6	64.7	64.7	64.7	64.7	64.8	64.8	64.9	64.9	64.9	64.9
GE 9000	61.3	62.8	64.4	64.7	65.0	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3
GE 8000	65.3	67.0	69.0	69.5	70.0	70.1	70.2	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5
GE 7000	66.6	68.3	70.7	71.2	71.9	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4
GE 6000	67.2	68.9	71.4	72.0	72.7	72.7	72.9	73.0	73.0	73.1	73.1	73.1	73.2	73.2	73.2	73.2
GE 5000	68.2	69.9	72.6	73.3	74.1	74.2	74.3	74.4	74.4	74.6	74.6	74.6	74.7	74.7	74.7	74.7
GE 4500	68.9	70.8	73.4	74.2	75.0	75.2	75.3	75.4	75.4	75.6	75.6	75.6	75.7	75.7	75.7	75.7
GE 4000	70.7	72.7	75.5	76.2	77.1	77.2	77.4	77.5	77.5	77.7	77.7	77.7	77.8	77.8	77.9	77.9
GE 3500	72.5	74.5	77.4	78.3	79.2	79.4	79.5	79.7	79.7	79.9	79.9	79.9	80.0	80.0	80.1	80.1
GE 3000	74.3	76.4	79.7	80.6	81.8	81.9	82.2	82.4	82.4	82.6	82.7	82.7	82.9	82.9	82.9	82.9
GE 2500	75.2	77.4	81.0	82.0	83.4	83.5	83.9	84.1	84.2	84.4	84.5	84.5	84.6	84.6	84.6	84.6
GE 2000	76.3	78.6	82.4	83.5	85.2	85.4	86.0	86.4	86.4	86.7	86.8	86.8	87.0	87.0	87.1	87.1
GE 1800	76.4	78.7	82.5	83.7	85.4	85.6	86.3	86.7	86.8	87.1	87.2	87.2	87.4	87.4	87.5	87.5
GE 1500	76.9	79.4	83.5	84.7	86.8	87.0	88.0	88.6	88.7	89.1	89.2	89.2	89.4	89.4	89.5	89.5
GE 1200	77.3	79.9	84.2	85.6	88.1	88.3	89.4	90.1	90.3	90.7	90.8	90.8	91.0	91.0	91.2	91.2
GE 1000	77.6	80.1	84.5	86.1	88.8	89.1	90.7	91.5	91.7	92.1	92.5	92.5	92.8	92.8	93.0	93.0
GE 900	77.6	80.2	84.7	86.2	89.0	89.4	90.9	91.9	92.2	92.7	93.0	93.0	93.4	93.4	93.6	93.6
GE 800	77.6	80.3	84.9	86.5	89.3	89.7	91.3	92.4	92.7	93.2	93.6	93.6	94.2	94.2	94.4	94.4
GE 700	77.7	80.4	85.0	86.6	89.5	89.9	91.6	92.8	93.0	93.6	94.1	94.1	94.6	94.6	94.9	94.9
GE 600	77.7	80.4	85.0	86.7	89.6	90.0	91.7	93.0	93.3	94.0	94.4	94.4	95.1	95.1	95.5	95.5
GE 500	77.8	80.5	85.1	86.9	89.7	90.2	91.9	93.2	93.5	94.3	94.8	94.8	95.6	95.7	96.1	96.1
GE 400	77.8	80.5	85.1	86.9	89.7	90.2	92.0	93.4	93.8	94.6	95.2	95.3	96.2	96.3	96.8	96.9
GE 300	77.8	80.5	85.1	86.9	89.8	90.3	92.2	93.6	93.9	94.7	95.5	95.5	96.7	96.9	97.6	98.0
GE 200	77.8	80.5	85.1	86.9	89.8	90.3	92.2	93.7	94.0	95.0	95.7	95.8	97.2	97.5	98.3	98.9
GE 100	77.8	80.5	85.1	86.9	89.8	90.3	92.2	93.7	94.1	95.0	95.8	95.8	97.5	97.7	98.9	99.8
GE 000	77.8	80.5	85.1	86.9	89.8	90.3	92.2	93.7	94.1	95.0	95.8	95.8	97.5	97.7	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 4011

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 20000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 18000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 16000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 14000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 12000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 10000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 9000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 8000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 7000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 6000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 5000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4500	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

D - 2 - 9

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 18000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 16000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 14000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.1	50.0	50.9	51.4	51.5	51.8	51.8	52.0	52.0	52.0	52.0	52.1	52.1	52.1	52.3	52.3
GE 20000	52.4	53.3	54.4	55.0	55.6	55.9	55.9	56.0	56.0	56.2	56.2	56.3	56.3	56.3	56.5	56.5
GE 18000	52.7	53.6	54.7	55.3	55.9	56.2	56.2	56.3	56.3	56.5	56.5	56.6	56.6	56.6	56.8	56.8
GE 16000	52.9	53.8	54.8	55.4	56.0	56.3	56.3	56.5	56.5	56.6	56.6	56.8	56.8	56.8	56.9	56.9
GE 14000	53.3	54.2	55.3	55.9	56.5	56.8	56.8	56.9	56.9	57.1	57.1	57.3	57.3	57.3	57.4	57.4
GE 12000	55.3	56.2	57.3	57.9	58.5	58.8	58.8	58.9	58.9	59.1	59.1	59.2	59.2	59.2	59.4	59.4
GE 10000	58.0	59.2	60.4	61.0	61.6	61.9	62.1	62.2	62.2	62.4	62.4	62.5	62.5	62.5	62.7	62.7
GE 9000	58.5	59.7	60.9	61.5	62.1	62.4	62.5	62.7	62.7	62.8	62.8	63.0	63.0	63.0	63.1	63.1
GE 8000	62.4	64.0	65.6	66.5	67.1	67.4	67.5	67.7	67.7	67.8	68.0	68.1	68.1	68.1	68.3	68.3
GE 7000	64.4	66.3	68.0	69.2	69.8	70.1	70.2	70.4	70.4	70.5	70.7	70.8	70.8	70.8	71.0	71.0
GE 6000	64.8	66.8	68.6	69.8	70.4	70.7	71.0	71.1	71.1	71.3	71.5	71.6	71.6	71.6	71.8	71.8
GE 5000	65.9	68.3	70.2	71.5	72.1	72.4	72.7	73.0	73.0	73.1	73.3	73.4	73.4	73.4	73.6	73.6
GE 4500	66.2	68.6	70.5	71.8	72.4	72.7	73.0	73.3	73.3	73.4	73.7	73.9	73.9	73.9	74.0	74.0
GE 4000	67.2	69.8	72.1	73.3	73.9	74.2	74.5	74.8	74.8	74.9	75.2	75.4	75.4	75.4	75.8	75.8
GE 3500	68.0	70.5	73.1	74.3	74.9	75.2	75.5	76.0	76.0	76.1	76.4	76.6	76.7	76.7	77.2	77.2
GE 3000	69.0	71.8	74.6	76.0	77.0	77.5	77.8	78.2	78.2	78.4	78.7	78.9	79.0	79.0	79.5	79.5
GE 2500	70.5	73.3	76.3	77.6	78.9	79.3	79.6	80.1	80.1	80.4	80.7	80.8	81.0	81.0	81.4	81.4
GE 2000	71.8	74.5	77.6	79.0	80.2	80.7	81.0	81.6	81.6	81.9	82.2	82.3	82.5	82.5	82.9	82.9
GE 1800	72.1	74.8	77.9	79.3	80.7	81.3	81.6	82.2	82.2	82.6	82.9	83.1	83.2	83.2	83.7	83.7
GE 1500	72.7	75.7	79.0	80.4	82.0	82.6	82.9	83.5	83.5	84.0	84.3	84.4	84.6	84.6	85.0	85.0
GE 1200	72.8	75.8	79.5	80.8	82.5	83.1	83.4	84.0	84.0	84.4	84.9	85.0	85.2	85.2	85.6	85.6
GE 1000	73.1	76.1	80.1	81.6	83.5	84.1	84.7	85.5	85.5	86.0	86.4	86.6	86.7	86.7	87.2	87.2
GE 900	73.1	76.1	80.2	82.0	84.1	84.7	85.3	86.4	86.4	86.9	87.3	87.5	87.6	87.6	88.1	88.1
GE 800	73.1	76.1	80.2	82.0	84.1	84.7	85.3	86.4	86.4	87.2	87.8	87.9	88.1	88.1	88.5	88.5
GE 700	73.3	76.3	80.4	82.2	84.3	84.9	85.5	86.6	86.6	87.3	88.1	88.2	88.5	88.5	89.0	89.0
GE 600	73.3	76.3	80.5	82.8	84.9	85.5	86.7	87.8	87.8	88.5	89.3	89.4	89.7	89.7	90.2	90.2
GE 500	73.3	76.3	80.5	82.8	85.0	85.6	87.5	88.5	88.5	89.7	90.6	90.8	91.1	91.2	92.3	92.4
GE 400	73.3	76.3	80.5	83.1	85.6	86.3	88.8	90.3	90.3	91.8	92.7	92.9	93.5	93.7	94.7	95.2
GE 300	73.3	76.3	80.5	83.1	85.8	86.4	89.1	90.8	90.8	92.7	94.1	94.3	95.0	95.2	96.5	97.0
GE 200	73.3	76.3	80.5	83.1	85.8	86.4	89.1	91.1	91.1	93.5	95.0	95.2	95.9	96.1	97.6	98.5
GE 100	73.3	76.3	80.5	83.1	85.8	86.4	89.1	91.1	91.1	93.7	95.2	95.3	96.4	96.5	98.5	99.7
GE 000	73.3	76.3	80.5	83.1	85.8	86.4	89.1	91.1	91.1	93.7	95.2	95.3	96.4	96.5	98.5	100.0

TOTAL NUMBER OF OLSERVATIONS 662

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.6	46.1	46.5	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 20000	53.4	54.0	54.8	55.2	55.3	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 18000	53.8	54.4	55.3	55.7	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	54.5	55.2	56.0	56.4	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 14000	55.2	55.8	56.6	57.0	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 12000	56.9	57.5	58.5	58.9	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
GE 10000	61.2	61.9	62.9	63.2	63.4	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 9000	61.6	62.2	63.2	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 8000	62.9	63.6	64.6	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 7000	65.2	66.1	67.2	68.0	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 6000	66.1	67.1	68.2	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 5000	67.3	68.3	69.6	70.4	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	71.1	71.1	71.1	71.1
GE 4500	67.8	69.1	70.3	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8
GE 4000	70.2	71.4	72.7	73.5	74.0	74.2	74.2	74.2	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 3500	70.7	71.9	73.2	74.0	74.8	74.9	74.9	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.2
GE 3000	72.3	73.7	75.5	76.6	78.1	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.5	78.5	78.5	78.6
GE 2500	74.0	75.4	77.5	78.8	80.2	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.7	80.7	80.7	80.9
GE 2000	74.7	76.1	78.8	80.1	81.6	81.9	81.9	81.9	81.9	82.1	82.1	82.1	82.2	82.2	82.2	82.4
GE 1800	74.8	76.3	79.0	80.4	81.9	82.1	82.1	82.4	82.4	82.7	82.7	82.7	82.9	82.9	82.9	83.0
GE 1500	75.4	77.0	79.9	81.5	83.2	83.6	83.9	84.2	84.2	84.8	84.8	84.8	85.1	85.1	85.2	85.3
GE 1200	76.3	77.9	81.1	82.7	84.7	85.2	85.6	86.2	86.2	87.1	87.1	87.2	87.6	87.6	87.7	87.8
GE 1000	76.3	77.9	81.2	82.9	85.1	85.6	86.1	86.8	86.8	88.1	88.1	88.2	88.6	88.6	88.7	88.8
GE 900	76.3	77.9	81.2	82.9	85.1	85.6	86.1	86.8	86.8	88.1	88.1	88.2	88.6	88.6	88.7	88.8
GE 800	76.5	78.1	81.5	83.1	85.7	86.2	86.7	87.5	87.5	88.7	88.8	89.1	89.6	89.6	89.8	89.9
GE 700	76.6	78.3	81.7	83.4	86.1	86.6	87.1	88.0	88.0	89.4	89.6	89.8	90.3	90.3	90.6	90.7
GE 600	76.6	78.3	82.0	83.7	86.6	87.6	88.3	89.3	89.3	90.8	90.9	91.2	91.9	91.9	92.2	92.3
GE 500	76.6	78.3	82.0	83.9	87.1	88.1	88.9	89.9	89.9	91.4	91.7	91.9	92.9	92.9	93.2	93.3
GE 400	76.6	78.3	82.0	83.9	87.5	88.6	89.6	90.9	90.9	92.7	93.0	93.4	94.7	94.7	95.0	95.5
GE 300	76.6	78.3	82.0	83.9	87.5	88.6	89.6	91.2	91.2	93.4	93.9	94.3	96.0	96.0	96.4	96.9
GE 200	76.6	78.3	82.0	83.9	87.5	88.6	89.6	91.7	91.7	93.9	94.4	94.8	96.8	96.8	97.4	98.0
GE 100	76.6	78.3	82.0	83.9	87.5	88.6	89.6	91.7	91.7	94.0	95.0	95.5	97.8	97.8	98.5	99.1
GE 000	76.6	78.3	82.0	83.9	87.5	88.6	89.6	91.7	91.7	94.0	95.0	95.5	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 805

D - 2 - 12

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.3	43.3	43.4	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
GE 20000	52.9	53.1	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 18000	54.5	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 16000	54.8	55.0	55.1	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
GE 14000	55.3	55.5	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 12000	57.6	57.9	58.0	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 10000	61.6	61.9	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 9000	61.9	62.1	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 8000	65.9	66.1	66.4	66.6	66.6	66.6	66.6	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
GE 7000	67.0	67.3	67.5	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 6000	67.5	67.8	68.1	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 5000	68.6	68.9	69.5	69.8	69.8	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 4500	68.8	69.0	69.6	69.9	69.9	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 4000	70.8	71.0	71.8	72.1	72.1	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 3500	72.9	73.1	73.9	74.3	74.4	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 3000	76.4	76.6	78.1	78.6	79.0	79.4	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
GE 2500	79.0	79.3	80.9	81.5	81.9	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 2000	79.6	79.9	81.8	82.4	82.9	83.4	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 1800	79.6	79.9	81.9	82.6	83.1	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1500	80.0	80.3	82.8	83.6	84.4	85.0	85.1	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1200	80.0	80.5	83.5	84.5	85.4	86.1	86.6	87.0	87.0	87.1	87.1	87.1	87.4	87.4	87.4	87.4
GE 1000	80.1	80.6	84.0	85.1	86.1	87.3	88.0	88.8	89.0	89.1	89.1	89.1	89.4	89.4	89.4	89.4
GE 900	80.4	80.9	84.4	85.5	86.8	87.9	88.6	89.4	89.6	89.8	89.8	89.8	90.0	90.0	90.0	90.0
GE 800	80.4	80.9	84.5	85.8	87.4	88.5	89.3	90.1	90.4	90.5	90.8	90.8	91.0	91.0	91.0	91.0
GE 700	80.4	80.9	84.5	85.8	87.5	88.6	89.4	90.3	90.5	90.6	90.9	90.9	91.8	91.8	91.8	91.8
GE 600	80.4	80.9	84.5	86.4	88.3	89.5	90.4	91.4	91.6	92.1	92.4	92.4	93.4	93.4	93.4	93.4
GE 500	80.4	80.9	84.9	87.1	89.3	90.5	91.5	92.5	93.0	93.6	94.0	94.1	95.4	95.4	95.4	95.4
GE 400	80.4	80.9	84.9	87.1	89.3	90.5	91.5	92.5	93.0	93.9	94.3	94.4	96.1	96.1	96.1	96.5
GE 300	80.4	80.9	84.9	87.1	89.3	90.5	91.5	92.5	93.0	94.8	95.6	95.8	97.9	97.9	97.9	98.3
GE 200	80.4	80.9	84.9	87.1	89.3	90.5	91.5	92.5	93.0	94.9	95.8	95.9	98.5	98.6	98.6	99.0
GE 100	80.4	80.9	84.9	87.1	89.3	90.5	91.5	92.5	93.0	94.9	96.0	96.4	99.1	99.3	99.3	99.6
GE 000	80.4	80.9	84.9	87.1	89.3	90.5	91.5	92.5	93.0	94.9	96.0	96.4	99.1	99.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 800

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.2	46.3	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
GE 20000	53.2	53.4	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 18000	53.8	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 16000	54.0	54.2	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 14000	54.6	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 12000	56.2	56.5	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 10000	60.6	60.8	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 9000	61.1	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 8000	65.7	66.1	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 7000	67.2	67.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6000	67.5	67.9	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 5000	69.4	69.8	70.7	71.0	71.1	71.1	71.1	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
GE 4500	69.9	70.3	71.4	71.6	71.8	71.8	71.8	71.8	71.9	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4000	72.3	72.7	74.0	74.3	74.8	74.8	74.8	74.8	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	74.0	74.4	75.9	76.5	77.0	77.0	77.0	77.0	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3000	76.9	77.4	79.6	80.5	81.1	81.1	81.1	81.1	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 2500	78.4	78.9	81.1	82.2	82.8	82.8	83.0	83.0	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 2000	78.9	79.6	81.9	83.0	83.9	84.0	84.2	84.3	84.4	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 1800	79.0	79.7	82.1	83.4	84.3	84.4	84.6	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	79.6	80.3	82.7	84.3	85.2	85.6	85.8	85.9	86.0	86.3	86.3	86.3	86.4	86.4	86.4	86.4
GE 1200	80.2	81.1	83.8	85.5	87.2	87.7	88.0	88.1	88.5	88.9	88.9	88.9	89.1	89.1	89.1	89.1
GE 1000	80.5	81.4	84.2	85.9	87.6	88.3	88.7	88.8	89.3	90.1	90.1	90.1	90.2	90.2	90.2	90.2
GE 900	80.5	81.4	84.2	86.4	88.3	88.9	89.4	89.8	90.4	91.2	91.2	91.2	91.3	91.3	91.3	91.3
GE 800	80.9	81.8	84.8	87.1	89.1	89.7	90.2	90.8	91.3	92.1	92.1	92.1	92.2	92.2	92.2	92.2
GE 700	80.9	81.8	84.8	87.2	89.2	89.8	90.4	90.9	91.4	92.3	92.5	92.5	92.7	92.7	92.9	92.9
GE 600	80.9	81.8	84.8	87.2	89.4	90.1	90.8	91.7	92.2	93.4	93.5	93.5	93.9	93.9	94.1	94.1
GE 500	80.9	81.8	84.8	87.3	89.6	90.2	90.9	92.0	92.5	93.8	93.9	93.9	94.5	94.5	94.6	94.6
GE 400	80.9	81.8	84.8	87.3	89.8	90.5	91.4	92.5	93.0	95.0	95.1	95.1	95.9	95.9	96.2	96.2
GE 300	80.9	81.8	84.8	87.3	90.0	90.6	91.7	92.9	93.4	95.8	95.9	96.2	97.1	97.4	97.6	97.8
GE 200	80.9	81.8	84.8	87.3	90.0	90.6	91.7	93.0	93.5	96.0	96.6	97.0	98.2	98.4	98.9	99.3
GE 100	80.9	81.8	84.8	87.3	90.0	90.6	91.7	93.0	93.5	96.0	96.8	97.2	98.4	98.7	99.5	99.9
GE 000	80.9	81.8	84.8	87.3	90.0	90.6	91.7	93.0	93.5	96.0	96.8	97.2	98.4	98.7	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 758

D - 2 - 14

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.4	51.5	51.5	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.4	52.4	52.4
GE 20000	57.5	57.7	57.7	57.7	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.5	58.5	58.5
GE 18000	57.7	57.9	57.9	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.8	58.8	58.8
GE 16000	57.7	57.9	57.9	57.9	58.5	58.5	58.5	58.5	58.5	58.5	58.7	58.7	58.7	58.8	58.8	58.8
GE 14000	58.0	58.2	58.2	58.2	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0	59.2	59.2	59.2
GE 12000	59.5	59.6	59.6	59.6	60.3	60.3	60.3	60.3	60.3	60.3	60.5	60.5	60.5	60.6	60.6	60.6
GE 10000	63.2	63.4	63.4	63.4	64.0	64.0	64.0	64.0	64.0	64.0	64.2	64.2	64.2	64.3	64.3	64.3
GE 9000	63.5	63.7	63.7	63.7	64.3	64.3	64.3	64.3	64.3	64.3	64.5	64.5	64.5	64.7	64.7	64.7
GE 8000	66.3	66.5	66.9	66.9	67.6	67.6	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.9	67.9	67.9
GE 7000	68.2	68.6	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.9	69.9	69.9	70.0	70.0	70.0
GE 6000	68.4	68.7	69.2	69.2	69.9	69.9	69.9	69.9	69.9	69.9	70.0	70.0	70.0	70.2	70.2	70.2
GE 5000	70.7	71.0	71.6	71.8	72.4	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.8	72.8	72.8
GE 4500	71.5	71.8	72.4	72.6	73.3	73.3	73.3	73.4	73.4	73.4	73.6	73.6	73.6	73.7	73.7	73.7
GE 4000	72.8	73.1	73.9	74.4	75.5	75.5	75.5	75.7	75.7	75.9	76.0	76.0	76.0	76.2	76.3	76.3
GE 3500	74.9	75.2	76.2	76.7	78.0	78.0	78.0	78.1	78.1	78.3	78.4	78.4	78.4	78.6	78.8	78.8
GE 3000	77.1	77.6	78.8	79.4	81.2	81.2	81.2	81.4	81.4	81.5	81.7	81.7	81.7	81.8	82.0	82.0
GE 2500	77.5	78.0	79.7	80.6	82.5	82.5	82.5	82.7	82.7	82.8	83.0	83.0	83.0	83.1	83.3	83.3
GE 2000	78.3	78.8	80.6	81.5	83.6	83.6	83.6	83.8	83.8	84.0	84.1	84.1	84.1	84.3	84.4	84.4
GE 1800	78.4	78.9	80.7	81.7	83.8	84.0	84.0	84.1	84.1	84.3	84.4	84.4	84.4	84.6	84.8	84.8
GE 1500	79.3	79.9	82.2	83.3	85.4	85.9	86.2	86.4	86.4	86.5	86.9	86.9	86.9	87.0	87.2	87.2
GE 1200	79.3	80.1	82.5	83.8	86.2	86.7	87.0	87.2	87.2	87.4	87.7	87.7	87.7	87.8	88.0	88.0
GE 1000	79.3	80.4	82.8	84.1	86.5	87.0	87.4	87.5	87.5	87.7	88.0	88.0	88.0	88.2	88.3	88.3
GE 900	79.3	80.4	82.8	84.4	86.9	87.7	88.2	88.7	88.7	88.8	89.1	89.1	89.5	89.6	89.8	89.8
GE 800	79.3	80.4	82.8	84.4	86.9	87.7	88.8	89.3	89.3	89.5	90.1	90.1	90.4	90.6	90.8	91.1
GE 700	79.3	80.4	82.8	84.4	87.2	88.0	89.1	89.6	89.6	89.8	90.4	90.4	91.2	91.4	91.6	91.9
GE 600	79.3	80.4	82.8	84.4	87.7	88.5	89.8	90.8	90.8	90.9	91.6	91.6	92.5	92.7	92.9	93.2
GE 500	79.3	80.4	82.8	84.4	88.0	88.8	90.1	91.6	91.6	91.7	92.5	92.5	93.7	93.8	94.3	94.7
GE 400	79.3	80.4	82.8	84.4	88.2	89.0	90.4	92.1	92.1	92.5	93.4	93.4	94.5	94.7	95.5	95.8
GE 300	79.3	80.4	82.8	84.4	88.3	89.1	90.8	92.7	92.7	93.4	94.5	94.5	96.4	96.6	97.9	98.2
GE 200	79.3	80.4	82.8	84.4	88.3	89.1	90.8	92.7	92.7	93.7	95.1	95.1	97.4	97.6	98.9	99.2
GE 100	79.3	80.4	82.8	84.4	88.5	89.3	90.9	92.9	92.9	93.8	95.3	95.3	97.6	97.7	99.0	99.5
GE 000	79.3	80.4	82.8	84.4	88.5	89.3	90.9	92.9	92.9	93.8	95.5	95.5	97.7	97.9	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 617

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 20000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 18000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 16000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 14000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 12000	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 10000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 9000	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 8000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 6000	67.9	67.9	67.9	67.9	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 5000	71.8	71.8	71.8	71.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4500	71.8	71.8	71.8	71.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4000	76.9	76.9	76.9	76.9	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 3500	78.2	79.5	79.5	79.5	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
GE 3000	83.3	84.6	84.6	84.6	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
GE 2500	84.6	85.9	85.9	85.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	84.6	85.9	85.9	85.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1800	84.6	85.9	85.9	85.9	88.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1500	84.6	85.9	85.9	87.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1200	84.6	85.9	85.9	87.2	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
GE 1000	84.6	85.9	85.9	87.2	89.7	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 900	84.6	85.9	85.9	87.2	89.7	91.0	91.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 800	84.6	85.9	85.9	87.2	89.7	91.0	91.0	92.3	92.3	92.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 700	84.6	87.2	87.2	88.5	91.0	92.3	92.3	93.6	93.6	93.6	94.9	94.9	94.9	94.9	94.9	94.9
GE 600	84.6	87.2	87.2	88.5	91.0	93.6	93.6	94.9	94.9	94.9	96.2	96.2	96.2	96.2	96.2	96.2
GE 500	84.6	87.2	87.2	88.5	91.0	93.6	93.6	96.2	96.2	96.2	97.4	97.4	97.4	97.4	98.7	98.7
GE 400	84.6	87.2	87.2	88.5	91.0	93.6	93.6	96.2	96.2	96.2	97.4	97.4	97.4	97.4	98.7	98.7
GE 300	84.6	87.2	87.2	88.5	91.0	93.6	93.6	97.4	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0
GE 200	84.6	87.2	87.2	88.5	91.0	93.6	93.6	97.4	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0
GE 100	84.6	87.2	87.2	88.5	91.0	93.6	93.6	97.4	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0
GE 000	84.6	87.2	87.2	88.5	91.0	93.6	93.6	97.4	97.4	97.4	98.7	98.7	98.7	98.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 78

D - 2 - 16

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: FEB HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.1	47.4	47.7	47.9	48.0	48.1	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2
GE 20000	54.0	54.4	54.8	55.1	55.3	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 18000	54.6	55.0	55.5	55.8	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
GE 16000	54.9	55.3	55.8	56.0	56.3	56.3	56.3	56.4	56.4	56.4	56.4	56.5	56.5	56.5	56.5	56.5
GE 14000	55.4	55.8	56.3	56.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0
GE 12000	57.2	57.6	58.1	58.4	58.6	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.9	58.9
GE 10000	61.1	61.6	62.1	62.4	62.6	62.7	62.7	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.9	62.9
GE 9000	61.4	61.9	62.5	62.7	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2
GE 8000	64.7	65.3	66.1	66.5	66.7	66.8	66.8	66.9	66.9	66.9	66.9	67.0	67.0	67.0	67.0	67.0
GE 7000	66.4	67.2	68.0	68.4	68.7	68.8	68.8	68.8	68.8	68.9	68.9	69.0	69.0	69.0	69.0	69.0
GE 6000	66.9	67.7	68.6	69.0	69.4	69.5	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7
GE 5000	68.4	69.3	70.3	70.9	71.2	71.3	71.4	71.5	71.5	71.5	71.6	71.6	71.6	71.7	71.7	71.7
GE 4500	68.9	69.8	70.8	71.4	71.7	71.9	71.9	72.0	72.0	72.1	72.2	72.2	72.3	72.3	72.3	72.3
GE 4000	70.8	71.7	73.0	73.6	74.2	74.3	74.4	74.5	74.5	74.6	74.7	74.8	74.8	74.8	74.9	74.9
GE 3500	72.3	73.2	74.5	75.2	75.9	76.1	76.1	76.3	76.3	76.4	76.5	76.5	76.6	76.6	76.7	76.7
GE 3000	74.6	75.7	77.5	78.4	79.5	79.7	79.7	79.9	79.9	80.0	80.1	80.1	80.2	80.2	80.3	80.4
GE 2500	76.2	77.2	79.3	80.3	81.5	81.6	81.8	81.9	81.9	82.1	82.2	82.2	82.3	82.3	82.4	82.4
GE 2000	76.9	78.0	80.3	81.4	82.6	82.9	83.0	83.2	83.2	83.4	83.5	83.5	83.6	83.6	83.7	83.7
GE 1800	77.1	78.2	80.5	81.6	82.9	83.3	83.4	83.6	83.7	83.9	84.0	84.0	84.1	84.1	84.2	84.2
GE 1500	77.6	78.9	81.5	82.8	84.2	84.7	84.9	85.2	85.3	85.6	85.7	85.7	85.8	85.8	86.0	86.0
GE 1200	78.0	79.3	82.2	83.6	85.4	85.9	86.3	86.7	86.7	87.1	87.3	87.3	87.5	87.6	87.7	87.7
GE 1000	78.1	79.5	82.6	84.1	85.9	86.6	87.1	87.7	87.8	88.4	88.5	88.6	88.8	88.8	88.9	88.9
GE 900	78.2	79.6	82.7	84.4	86.3	87.1	87.7	88.4	88.5	89.1	89.2	89.3	89.5	89.5	89.7	89.7
GE 800	78.3	79.7	82.9	84.6	86.8	87.5	88.2	88.9	89.1	89.7	90.0	90.1	90.4	90.4	90.6	90.7
GE 700	78.3	79.8	83.0	84.8	87.0	87.8	88.4	89.2	89.4	90.1	90.4	90.5	91.1	91.1	91.3	91.4
GE 600	78.3	79.8	83.1	85.1	87.5	88.4	89.3	90.3	90.5	91.3	91.7	91.8	92.5	92.5	92.7	92.8
GE 500	78.3	79.8	83.2	85.3	88.0	88.9	89.9	91.1	91.3	92.2	92.7	92.8	93.7	93.7	94.1	94.2
GE 400	78.3	79.8	83.2	85.4	88.2	89.2	90.5	91.8	92.0	93.3	93.8	94.0	95.1	95.1	95.6	95.9
GE 300	78.3	79.8	83.2	85.4	88.3	89.2	90.6	92.1	92.4	94.2	94.9	95.1	96.6	96.7	97.3	97.7
GE 200	78.3	79.8	83.2	85.4	88.3	89.2	90.6	92.3	92.5	94.5	95.5	95.7	97.4	97.6	98.3	98.8
GE 100	78.3	79.8	83.2	85.4	88.3	89.3	90.7	92.4	92.6	94.6	95.8	96.1	97.9	98.1	99.0	99.6
GE 000	78.3	79.8	83.2	85.4	88.3	89.3	90.7	92.4	92.6	94.6	95.8	96.1	98.0	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3727

D - 2 - 17

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000																
GE 4500																
GE 4000																
GE 3500																
GE 3000																
GE 2500																
GE 2000																
GE 1800																
GE 1500			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 1200			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 1000			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 900			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 800			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 700			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 600			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 500			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 400			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 300			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 200			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 100			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0
GE 000			50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

D - 2 - 18

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.0	46.0	47.1	47.8	48.1	48.1	48.1	48.4	48.4	48.4	48.4	48.4	48.4	48.5	48.5	48.5
GE 20000	49.2	50.7	51.9	52.7	52.9	52.9	53.1	53.3	53.3	53.3	53.3	53.3	53.3	53.5	53.5	53.7
GE 18000	49.5	51.1	52.3	53.1	53.3	53.3	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.9	53.9	54.1
GE 16000	49.8	51.4	52.5	53.3	53.6	53.6	53.7	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.4
GE 14000	50.3	51.9	53.1	53.9	54.1	54.1	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.6	54.9
GE 12000	51.2	52.9	54.1	54.9	55.2	55.2	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.9
GE 10000	53.7	55.4	56.6	57.4	57.6	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.2	58.2	58.4
GE 9000	54.1	55.9	57.1	57.9	58.2	58.2	58.3	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7	59.0
GE 8000	58.0	59.9	61.2	62.0	62.2	62.2	62.5	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0	63.3
GE 7000	59.3	61.4	62.7	63.5	63.8	63.8	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.7	64.7	65.0
GE 6000	60.0	62.2	63.5	64.4	64.8	64.8	65.1	65.5	65.5	65.5	65.5	65.5	65.5	65.8	65.8	66.0
GE 5000	60.5	62.9	64.2	65.2	65.8	65.8	66.0	66.4	66.4	66.4	66.4	66.4	66.4	66.7	66.7	66.9
GE 4500	62.1	64.6	66.0	67.1	67.7	67.7	68.0	68.5	68.5	68.5	68.5	68.5	68.6	68.9	68.9	69.2
GE 4000	63.8	66.4	68.1	69.2	69.9	69.9	70.2	70.7	70.7	70.7	70.7	70.7	71.0	71.2	71.2	71.5
GE 3500	66.1	68.8	70.6	71.6	72.5	72.5	72.8	73.3	73.3	73.3	73.3	73.3	73.6	73.9	73.9	74.1
GE 3000	68.6	71.2	73.2	74.2	75.2	75.2	75.4	75.9	75.9	75.9	75.9	75.9	76.3	76.6	76.6	76.9
GE 2500	70.1	72.8	74.9	76.1	77.1	77.1	77.4	77.9	77.9	77.9	77.9	77.9	78.3	78.6	78.6	78.8
GE 2000	71.0	73.7	75.9	77.1	78.3	78.3	78.7	79.2	79.2	79.3	79.3	79.3	80.0	80.3	80.3	80.5
GE 1800	71.4	74.1	76.3	77.5	78.8	78.8	79.2	80.0	80.0	80.1	80.1	80.1	80.8	81.0	81.0	81.3
GE 1500	72.4	75.2	77.4	78.8	80.3	80.3	80.7	81.6	81.6	81.7	81.7	81.7	82.4	82.6	82.7	83.0
GE 1200	73.1	75.8	78.6	80.1	81.6	81.8	82	83.9	83.9	84.1	84.2	84.2	85.0	85.2	85.4	85.6
GE 1000	73.2	75.9	78.7	80.4	82.1	82.4	83.4	84.7	84.7	85.1	85.2	85.4	86.1	86.4	86.5	86.8
GE 900	73.3	76.1	78.8	80.5	82.5	82.7	83.9	85.2	85.2	85.9	86.0	86.1	86.9	87.2	87.3	87.6
GE 800	73.5	76.2	79.1	80.9	83.0	83.3	84.4	85.9	85.9	86.9	87.1	87.2	88.2	88.5	88.6	88.9
GE 700	73.7	76.5	79.5	81.3	83.4	83.7	85.4	86.8	86.8	87.8	88.0	88.1	89.2	89.4	89.5	89.8
GE 600	73.7	76.5	79.7	81.6	83.9	84.2	86.8	88.2	88.2	89.5	89.8	90.2	91.4	91.6	92.0	92.4
GE 500	73.7	76.5	79.7	81.8	84.4	84.7	87.5	89.0	89.0	90.5	90.7	91.1	92.3	92.5	93.1	93.5
GE 400	73.7	76.5	79.7	81.8	84.4	85.0	88.2	89.8	89.9	91.5	91.8	92.2	93.6	93.9	94.4	94.8
GE 300	73.7	76.5	79.7	81.8	84.7	85.2	89.2	90.8	91.0	92.8	93.5	93.9	95.4	95.7	96.5	97.0
GE 200	73.7	76.5	79.7	81.8	84.7	85.2	89.3	91.0	91.2	93.2	94.0	94.4	96.3	96.6	98.0	98.7
GE 100	73.7	76.5	79.7	81.8	84.7	85.2	89.3	91.0	91.2	93.2	94.0	94.4	96.5	96.7	98.7	99.7
GE 000	73.7	76.5	79.7	81.8	84.7	85.2	89.3	91.0	91.2	93.2	94.0	94.4	96.5	96.7	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 765

D - 2 - 19

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.8	47.9	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 20000	52.8	54.1	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 18000	53.2	54.5	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	53.2	54.5	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	53.7	55.0	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 12000	55.1	56.4	57.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 10000	57.6	58.9	59.6	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 9000	58.0	59.3	59.9	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
GE 8000	61.4	62.7	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 7000	62.2	63.6	64.5	64.6	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
GE 6000	63.5	64.9	65.8	65.9	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 5000	64.5	65.9	67.0	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
GE 4500	65.5	66.9	68.0	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4000	67.0	68.5	69.8	70.2	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 3500	69.4	70.9	72.4	73.0	73.5	73.5	73.7	73.7	73.7	73.7	73.7	73.9	73.9	73.9	73.9	73.9
GE 3000	72.4	74.1	75.8	76.4	77.0	77.0	77.2	77.2	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3
GE 2500	73.7	75.4	77.1	77.7	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.8	78.8
GE 2000	74.8	76.7	78.4	79.0	79.7	79.7	80.1	80.3	80.3	80.4	80.4	80.5	80.7	80.7	80.7	80.7
GE 1800	75.6	77.6	79.3	79.8	80.6	80.6	80.9	81.2	81.2	81.3	81.3	81.4	81.6	81.6	81.6	81.6
GE 1500	76.9	79.0	80.8	81.6	82.6	82.7	83.2	83.8	83.8	83.9	83.9	84.0	84.4	84.4	84.4	84.4
GE 1200	78.2	80.3	82.4	83.3	84.7	84.9	85.4	86.2	86.3	86.6	86.7	86.8	87.3	87.3	87.4	87.4
GE 1000	78.4	80.5	82.7	83.7	85.4	85.5	86.5	87.3	87.4	87.7	88.0	88.1	88.6	88.6	88.7	88.7
GE 900	78.4	80.5	82.7	83.7	85.5	85.6	86.6	87.4	87.5	87.9	88.3	88.5	89.0	89.0	89.3	89.3
GE 800	78.5	80.6	82.9	84.1	86.2	86.3	87.5	88.2	88.5	89.0	89.4	89.5	90.1	90.1	90.4	90.4
GE 700	78.6	80.7	83.0	84.3	86.9	87.0	88.5	89.2	89.4	90.0	90.5	90.6	91.2	91.2	91.5	91.5
GE 600	78.6	80.7	83.2	84.9	87.5	87.8	89.7	90.7	91.0	91.5	92.0	92.2	92.9	92.9	93.2	93.2
GE 500	78.8	80.9	83.6	85.3	88.0	88.7	90.8	92.4	92.6	93.5	94.0	94.3	95.1	95.1	95.4	95.4
GE 400	78.8	80.9	83.6	85.3	88.6	89.2	91.8	93.4	93.7	94.7	95.5	96.0	96.7	96.7	97.1	97.1
GE 300	78.8	81.0	83.7	85.4	88.9	89.5	92.2	93.8	94.1	95.[illegible]	96.1	96.5	97.3	97.3	97.6	97.6
GE 200	78.9	81.2	83.8	85.5	89.0	89.7	92.5	94.1	94.4	95.6	96.7	97.3	98.1	98.4	98.9	98.9
GE 100	78.9	81.2	83.8	85.5	89.0	89.7	92.5	94.1	94.4	95.6	96.8	97.4	98.5	98.7	99.7	99.9
GE 000	78.9	81.2	83.8	85.5	89.0	89.7	92.5	94.1	94.4	95.6	96.8	97.4	98.5	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 918

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.1	47.4	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 20000	53.2	53.9	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 18000	53.4	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 16000	53.4	54.1	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 14000	53.6	54.4	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
GE 12000	54.1	54.9	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
GE 10000	57.2	58.2	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 9000	57.2	58.2	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 8000	59.9	60.9	61.5	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 7000	60.5	61.5	62.0	62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 6000	61.1	62.2	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
GE 5000	62.2	63.3	64.0	64.2	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 4500	63.8	64.8	65.7	65.9	66.0	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	67.4	68.6	69.7	70.0	70.1	70.3	70.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5
GE 3500	70.1	71.4	72.5	72.9	73.0	73.3	73.3	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6
GE 3000	75.0	76.3	77.4	77.8	77.9	78.2	78.2	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5
GE 2500	76.9	78.3	79.5	79.9	80.2	80.5	81.0	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3
GE 2000	78.5	80.2	81.4	82.0	82.5	82.8	83.3	83.5	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8
GE 1800	78.9	80.7	82.1	82.6	83.2	83.4	84.0	84.2	84.2	84.2	84.5	84.5	84.5	84.5	84.5	84.5
GE 1500	79.5	81.2	83.0	83.6	84.6	84.8	85.5	85.7	85.7	85.7	86.0	86.0	86.0	86.0	86.0	86.0
GE 1200	80.1	82.1	84.3	85.0	87.1	87.6	88.5	88.9	89.0	89.2	89.5	89.5	89.6	89.6	89.6	89.6
GE 1000	80.1	82.2	84.6	85.4	87.8	88.3	89.4	89.8	90.0	90.2	90.5	90.5	90.7	90.7	90.8	90.8
GE 900	80.2	82.3	84.9	85.7	88.2	88.8	89.8	90.3	90.4	90.6	90.9	90.9	91.2	91.2	91.3	91.3
GE 800	80.5	82.5	85.3	86.1	89.3	89.8	91.3	91.7	91.8	92.1	92.6	92.6	92.8	92.8	92.9	92.9
GE 700	80.7	83.1	85.8	86.8	90.4	91.0	92.5	92.9	93.0	93.3	93.8	93.8	94.0	94.0	94.2	94.2
GE 600	80.9	83.3	86.0	87.0	91.0	92.1	94.0	94.7	94.8	95.2	95.6	95.7	96.0	96.0	96.2	96.2
GE 500	80.9	83.3	86.0	87.1	91.7	92.8	95.0	95.7	95.9	96.3	96.7	96.8	97.2	97.2	97.4	97.4
GE 400	81.0	83.4	86.1	87.2	91.9	93.0	95.2	96.4	96.6	97.3	97.7	97.8	98.1	98.1	98.4	98.4
GE 300	81.0	83.4	86.1	87.2	92.0	93.1	95.4	96.6	96.8	97.8	98.3	98.4	99.0	99.0	99.5	99.5
GE 200	81.0	83.4	86.1	87.2	92.0	93.1	95.4	96.6	96.8	97.8	98.3	98.4	99.0	99.0	99.6	99.6
GE 100	81.0	83.4	86.1	87.2	92.0	93.1	95.4	96.6	96.8	97.8	98.3	98.4	99.0	99.0	99.9	99.9
GE 000	81.0	83.4	86.1	87.2	92.0	93.1	95.4	96.6	96.8	97.8	98.3	98.4	99.0	99.0	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 916

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.9	50.2	50.7	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
GE 20000	56.7	56.9	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 18000	57.0	57.3	57.8	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 16000	57.3	57.5	58.1	58.1	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 14000	57.5	57.7	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	59.1	59.3	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	61.3	61.5	62.2	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
GE 9000	61.6	61.9	62.5	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 8000	64.3	64.5	65.2	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
GE 7000	65.1	65.3	66.0	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 6000	65.4	65.6	66.3	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 5000	66.9	67.1	67.9	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 4500	68.8	69.2	70.1	70.3	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 4000	72.3	73.0	74.0	74.2	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6	74.6	74.6	74.6
GE 3500	75.8	76.6	77.7	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.4	78.4	78.4	78.4
GE 3000	79.0	79.8	80.9	81.2	81.4	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8
GE 2500	80.8	81.7	82.8	83.2	83.4	83.5	83.6	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.8	83.8
GE 2000	81.3	82.2	83.7	84.1	84.4	84.7	84.8	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 1800	81.4	82.4	83.8	84.2	84.7	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2
GE 1500	82.8	83.7	86.0	87.1	87.5	88.0	88.1	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4	88.4
GE 1200	83.3	84.3	86.7	88.0	89.0	89.5	89.7	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0
GE 1000	83.5	84.5	87.1	88.3	89.3	89.8	90.1	90.4	90.4	90.5	90.7	90.7	91.2	91.2	91.2	91.2
GE 900	83.5	84.5	87.1	88.3	89.3	89.8	90.3	90.5	90.5	90.6	90.8	90.8	91.3	91.3	91.3	91.3
GE 800	83.6	84.7	87.2	88.4	89.7	90.1	91.0	91.2	91.2	91.4	91.6	91.6	92.6	92.6	92.6	92.6
GE 700	83.6	84.8	87.3	89.0	90.7	91.5	92.4	92.8	92.8	93.7	93.5	93.5	94.4	94.4	94.4	94.4
GE 600	84.0	85.1	87.7	89.6	91.4	92.2	93.1	93.5	93.5	94.0	94.3	94.3	95.2	95.2	95.4	95.4
GE 500	84.0	85.1	87.7	89.6	91.4	92.4	93.7	94.2	94.2	95.0	95.3	95.5	96.8	96.8	97.0	97.0
GE 400	84.0	85.1	87.7	89.6	91.5	92.6	93.8	94.6	95.0	96.3	96.8	97.0	98.5	98.5	98.9	98.9
GE 300	84.0	85.1	87.7	89.6	91.5	92.6	93.8	94.8	95.2	96.7	97.1	97.4	99.2	99.3	99.7	99.7
GE 200	84.0	85.1	87.7	89.6	91.5	92.6	93.8	94.8	95.2	96.7	97.1	97.4	99.3	99.4	99.8	99.8
GE 100	84.0	85.1	87.7	89.6	91.5	92.6	93.8	94.8	95.2	96.7	97.1	97.4	99.3	99.5	100.0	100.0
GE 000	84.0	85.1	87.7	89.6	91.5	92.6	93.8	94.8	95.2	96.7	97.1	97.4	99.3	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 873

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.2	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	57.1	57.6	57.6	57.8	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
GE 18000	57.3	57.7	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000	57.3	57.7	57.7	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 14000	57.6	58.0	58.0	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 12000	59.4	59.8	59.8	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 10000	63.3	63.7	63.9	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 9000	63.9	64.3	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 8000	67.4	67.9	68.1	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	67.9	68.5	68.6	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
GE 6000	69.0	69.6	69.7	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
GE 5000	71.0	71.7	71.8	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	72.5	73.2	73.4	73.7	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
GE 4000	76.9	78.2	78.4	78.7	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3500	78.2	79.4	79.8	80.1	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 3000	80.3	82.5	83.6	84.0	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	81.2	83.5	84.7	85.2	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2000	81.9	84.2	85.4	85.9	86.6	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1800	81.9	84.2	85.4	85.9	86.6	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1500	82.1	84.3	85.6	86.3	87.3	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 1200	82.1	84.3	85.6	86.3	88.1	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1000	82.1	84.3	85.6	86.4	89.2	89.8	90.1	90.3	90.3	90.3	90.5	90.5	90.6	90.6	90.6	90.6
GE 900	82.1	84.3	85.6	86.4	89.2	89.8	90.1	90.3	90.3	90.3	90.5	90.5	90.6	90.6	90.6	90.6
GE 800	82.1	84.3	85.7	86.6	89.6	90.3	90.9	91.2	91.2	91.2	91.3	91.3	91.7	91.7	91.7	91.7
GE 700	82.4	84.6	86.4	87.3	90.3	91.0	91.6	92.0	92.0	92.0	92.2	92.2	92.6	92.6	92.7	92.7
GE 600	82.6	84.9	86.7	87.7	90.9	92.0	93.0	93.7	93.8	93.8	94.0	94.0	94.5	94.7	95.1	95.1
GE 500	82.8	85.0	86.8	87.8	91.0	92.2	93.4	94.4	94.5	94.5	94.7	95.0	95.5	95.7	96.1	96.1
GE 400	82.8	85.0	86.8	87.8	91.0	92.2	93.4	94.8	95.0	95.5	96.1	96.4	97.5	97.8	98.3	98.5
GE 300	82.8	85.0	86.8	87.8	91.0	92.2	93.4	95.4	95.5	96.1	96.6	96.9	98.0	98.3	98.9	99.3
GE 200	82.8	85.0	86.8	87.8	91.0	92.2	93.4	95.4	95.5	96.1	96.6	96.9	98.0	98.3	98.9	99.3
GE 100	82.8	85.0	86.8	87.8	91.0	92.2	93.4	95.4	95.5	96.1	96.6	96.9	98.0	98.3	99.3	99.7
GE 000	82.8	85.0	86.8	87.8	91.0	92.2	93.4	95.4	95.5	96.1	96.6	96.9	98.0	98.3	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 714

D - 2 - 23

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.1	47.1	47.1	47.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
GE 20000	54.0	54.0	54.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 18000	54.0	54.0	54.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 16000	54.0	54.0	54.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 14000	54.0	54.0	54.0	54.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
GE 12000	55.2	55.2	55.2	55.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
GE 10000	56.3	56.3	56.3	56.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	56.3	56.3	56.3	56.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 8000	58.6	58.6	58.6	58.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 7000	59.8	59.8	59.8	59.8	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 6000	60.9	60.9	60.9	60.9	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 5000	62.1	62.1	62.1	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4500	62.1	62.1	62.1	62.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 4000	67.8	67.8	67.8	69.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 3500	69.0	69.0	69.0	71.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 3000	72.4	74.7	74.7	77.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 2500	74.7	77.0	77.0	79.3	80.5	80.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 2000	75.9	79.3	79.3	81.6	82.8	82.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 1800	77.0	80.5	80.5	82.8	83.9	83.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	77.0	80.5	80.5	82.8	83.9	83.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 1200	77.0	81.6	81.6	83.9	85.1	85.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1000	77.0	81.6	81.6	87.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 900	77.0	81.6	81.6	87.4	89.7	89.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	92.0	92.0
GE 800	77.0	81.6	81.6	87.4	89.7	89.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	93.1	93.1
GE 700	78.2	82.8	82.8	88.5	92.0	92.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	95.4	95.4
GE 600	78.2	82.8	82.8	88.5	92.0	93.1	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	97.7	97.7
GE 500	78.2	82.8	82.8	88.5	92.0	93.1	96.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	98.9	98.9
GE 400	78.2	82.8	82.8	88.5	92.0	93.1	96.6	97.7	97.7	97.7	97.7	97.7	98.9	98.9	100.0	100.0
GE 300	78.2	82.8	82.8	88.5	92.0	93.1	96.6	97.7	97.7	97.7	97.7	97.7	98.9	98.9	100.0	100.0
GE 200	78.2	82.8	82.8	88.5	92.0	93.1	96.6	97.7	97.7	97.7	97.7	97.7	98.9	98.9	100.0	100.0
GE 100	78.2	82.8	82.8	88.5	92.0	93.1	96.6	97.7	97.7	97.7	97.7	97.7	98.9	98.9	100.0	100.0
GE 000	78.2	82.8	82.8	88.5	92.0	93.1	96.6	97.7	97.7	97.7	97.7	97.7	98.9	98.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 87

D - 2 - 24

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.1	48.6	49.1	49.4	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5	49.5
GE 20000	53.8	54.6	55.2	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 18000	54.0	54.9	55.4	55.6	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
GE 16000	54.1	55.0	55.5	55.7	55.9	55.9	55.9	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 14000	54.5	55.3	55.9	56.1	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4
GE 12000	55.7	56.6	57.2	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.7
GE 10000	58.5	59.4	60.0	60.3	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.6
GE 9000	58.8	59.7	60.3	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.9	60.9	60.9
GE 8000	62.0	62.9	63.6	63.9	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3
GE 7000	62.8	63.8	64.5	64.8	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2
GE 6000	63.6	64.7	65.4	65.7	65.9	65.9	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.2
GE 5000	64.8	65.9	66.7	67.1	67.3	67.3	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6
GE 4500	66.3	67.4	68.3	68.7	69.0	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3
GE 4000	69.2	70.6	71.7	72.1	72.5	72.6	72.7	72.8	72.8	72.8	72.8	72.8	72.9	72.9	72.9	73.0
GE 3500	71.7	73.1	74.3	74.9	75.3	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.8	75.8	75.8
GE 3000	74.9	76.6	78.0	78.5	79.1	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.5	79.6	79.6	79.6
GE 2500	76.4	78.2	79.6	80.2	80.8	80.9	81.2	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.6
GE 2000	77.4	79.3	80.9	81.5	82.2	82.4	82.7	82.9	82.9	82.9	83.0	83.0	83.2	83.3	83.3	83.3
GE 1800	77.8	79.7	81.3	81.9	82.7	82.9	83.2	83.4	83.4	83.5	83.6	83.6	83.8	83.8	83.8	83.9
GE 1500	78.7	80.6	82.5	83.4	84.4	84.7	85.0	85.4	85.4	85.5	85.5	85.5	85.8	85.8	85.8	85.9
GE 1200	79.3	81.4	83.5	84.6	86.1	86.5	87.1	87.6	87.6	87.7	87.9	87.9	88.2	88.2	88.3	88.3
GE 1000	79.4	81.5	83.7	84.9	86.8	87.2	88.0	88.6	88.6	88.8	89.1	89.1	89.5	89.6	89.6	89.7
GE 900	79.5	81.5	83.8	85.0	87.0	87.4	88.2	88.8	88.8	89.1	89.4	89.5	89.9	89.9	90.1	90.1
GE 800	79.6	81.7	84.0	85.3	87.6	88.0	89.1	89.7	89.8	90.2	90.5	90.5	91.2	91.2	91.3	91.4
GE 700	79.8	81.9	84.4	85.8	88.5	89.0	90.2	90.9	90.9	91.4	91.7	91.8	92.4	92.4	92.6	92.7
GE 600	80.0	82.1	84.7	86.2	89.1	89.8	91.5	92.3	92.4	92.9	93.3	93.4	94.1	94.2	94.5	94.6
GE 500	80.0	82.2	84.8	86.4	89.4	90.3	92.2	93.3	93.4	94.1	94.4	94.7	95.5	95.6	95.9	96.0
GE 400	80.0	82.2	84.8	86.4	89.6	90.5	92.7	93.9	94.2	95.2	95.7	96.0	97.0	97.1	97.5	97.6
GE 300	80.0	82.2	84.8	86.5	89.8	90.6	92.9	94.4	94.6	95.8	96.4	96.7	97.9	98.0	98.5	98.6
GE 200	80.0	82.2	84.8	86.5	89.8	90.7	93.0	94.5	94.8	96.0	96.6	97.0	98.2	98.4	99.1	99.3
GE 100	80.0	82.2	84.8	86.5	89.8	90.7	93.0	94.5	94.8	96.0	96.7	97.0	98.3	98.5	99.6	99.9
GE 000	80.0	82.2	84.8	86.5	89.8	90.7	93.0	94.5	94.8	96.0	96.7	97.0	98.3	98.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 4275

D - 2 - 25

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000																
GE 4500																
GE 4000																
GE 3500																
GE 3000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 2500	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 2000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	34.4	34.4	36.5	36.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	38.5	38.5	38.5	38.5
GE 20000	41.7	41.7	43.8	43.8	44.8	44.8	44.8	44.8	44.8	45.8	45.8	45.8	46.9	46.9	46.9	46.9
GE 18000	41.7	41.7	43.8	43.8	44.8	44.8	44.8	44.8	44.8	45.8	45.8	45.8	46.9	46.9	46.9	46.9
GE 16000	41.7	41.7	43.8	43.8	44.8	44.8	44.8	44.8	44.8	45.8	45.8	45.8	46.9	46.9	46.9	46.9
GE 14000	41.7	41.7	43.8	43.8	44.8	44.8	44.8	44.8	44.8	45.8	45.8	45.8	46.9	46.9	46.9	46.9
GE 12000	42.7	42.7	44.8	44.8	45.8	45.8	45.8	45.8	45.8	46.9	46.9	46.9	47.9	47.9	47.9	47.9
GE 10000	44.8	44.8	47.9	47.9	49.0	49.0	49.0	49.0	49.0	50.0	50.0	50.0	51.0	51.0	51.0	51.0
GE 9000	44.8	44.8	47.9	47.9	49.0	49.0	49.0	49.0	49.0	50.0	50.0	50.0	52.1	52.1	52.1	52.1
GE 8000	49.0	49.0	52.1	52.1	53.1	53.1	53.1	53.1	53.1	54.2	54.2	54.2	56.3	56.3	56.3	56.3
GE 7000	50.0	50.0	53.1	53.1	54.2	54.2	54.2	54.2	54.2	55.2	55.2	55.2	57.3	57.3	57.3	57.3
GE 6000	50.0	50.0	53.1	53.1	54.2	54.2	54.2	54.2	54.2	55.2	55.2	55.2	57.3	57.3	57.3	57.3
GE 5000	50.0	50.0	53.1	54.2	55.2	55.2	55.2	55.2	55.2	56.3	56.3	56.3	58.3	58.3	58.3	59.4
GE 4500	51.0	51.0	54.2	55.2	56.3	56.3	56.3	56.3	56.3	57.3	57.3	57.3	59.4	59.4	59.4	60.4
GE 4000	53.1	53.1	56.3	57.3	58.3	58.3	58.3	58.3	58.3	59.4	59.4	59.4	61.5	61.5	61.5	62.5
GE 3500	55.2	55.2	58.3	60.4	61.5	61.5	61.5	61.5	61.5	62.5	62.5	62.5	64.6	64.6	64.6	65.6
GE 3000	56.3	56.3	59.4	61.5	62.5	62.5	62.5	62.5	62.5	63.5	63.5	63.5	65.6	65.6	65.6	66.7
GE 2500	57.3	57.3	60.4	62.5	63.5	63.5	63.5	63.5	63.5	64.6	64.6	64.6	66.7	66.7	66.7	67.7
GE 2000	57.3	58.3	61.5	63.5	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7	68.8	68.8	68.8	69.8
GE 1800	57.3	58.3	61.5	63.5	65.6	65.6	65.6	65.6	65.6	66.7	66.7	66.7	68.8	68.8	68.8	69.8
GE 1500	59.4	60.4	63.5	65.6	68.8	68.8	68.8	68.8	68.8	69.8	69.8	69.8	71.9	71.9	71.9	72.9
GE 1200	61.5	63.5	66.7	68.8	71.9	72.9	72.9	72.9	72.9	74.0	74.0	74.0	76.0	76.0	76.0	77.1
GE 1000	62.5	65.6	69.8	71.9	75.0	76.0	76.0	76.0	76.0	78.1	78.1	78.1	80.2	80.2	80.2	81.3
GE 900	64.6	67.7	71.9	74.0	77.1	78.1	78.1	79.2	79.2	81.3	81.3	81.3	83.3	83.3	83.3	84.4
GE 800	64.6	67.7	71.9	74.0	77.1	78.1	78.1	80.2	80.2	82.3	82.3	82.3	84.4	84.4	84.4	85.4
GE 700	64.6	67.7	71.9	75.0	78.1	79.2	79.2	81.3	81.3	83.3	83.3	83.3	85.4	85.4	85.4	86.5
GE 600	64.6	67.7	71.9	75.0	81.3	82.3	82.3	84.4	84.4	86.5	86.5	86.5	88.5	88.5	88.5	89.6
GE 500	64.6	67.7	71.9	75.0	81.3	82.3	82.3	84.4	84.4	86.5	86.5	86.5	88.5	88.5	88.5	89.6
GE 400	64.6	67.7	71.9	75.0	81.3	83.3	83.3	85.4	85.4	87.5	88.5	88.5	90.6	90.6	90.6	91.7
GE 300	64.6	67.7	71.9	75.0	81.3	83.3	83.3	85.4	85.4	87.5	88.5	88.5	91.7	91.7	91.7	92.7
GE 200	64.6	67.7	71.9	75.0	81.3	83.3	83.3	85.4	85.4	87.5	89.6	89.6	93.8	94.8	95.8	96.9
GE 100	64.6	67.7	71.9	75.0	81.3	83.3	83.3	85.4	85.4	87.5	89.6	89.6	93.8	94.8	96.9	100.0
GE 000	64.6	67.7	71.9	75.0	81.3	83.3	83.3	85.4	85.4	87.5	89.6	89.6	93.8	94.8	96.9	100.0

TOTAL NUMBER OF OBSERVATIONS 96

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	36.5	37.4	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.8	37.8	37.8	37.8	37.8	37.8
GE 20000	42.6	43.5	43.7	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
GE 18000	42.6	43.5	43.7	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
GE 16000	42.6	43.5	43.7	43.8	44.1	44.1	44.1	44.1	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2
GE 14000	42.8	43.7	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
GE 12000	45.0	45.9	46.2	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.7	46.7
GE 10000	49.1	50.0	50.6	50.8	51.4	51.4	51.4	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5
GE 9000	50.0	50.9	52.1	52.2	52.9	52.9	52.9	52.9	52.9	52.9	53.1	53.1	53.1	53.1	53.1	53.1
GE 9000	54.5	55.4	56.7	56.8	57.7	57.7	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
GE 7000	55.6	56.5	57.8	57.9	58.8	58.8	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1
GE 6000	56.8	57.7	59.0	59.1	60.3	60.3	60.4	60.4	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5
GE 5000	57.9	58.8	60.4	60.9	62.1	62.1	62.2	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3
GE 4500	59.0	60.0	61.7	62.2	63.6	63.6	63.7	64.0	64.0	64.0	64.1	64.1	64.1	64.1	64.1	64.1
GE 4000	60.5	61.5	63.2	63.7	65.3	65.3	65.5	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
GE 3500	63.1	64.1	65.8	66.3	67.9	67.9	68.2	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7
GE 3000	65.4	66.5	68.3	69.0	70.6	70.6	70.9	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
GE 2500	66.2	67.3	69.5	70.3	72.1	72.1	72.3	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8
GE 2000	67.7	69.0	71.2	72.3	74.2	74.4	74.6	75.0	75.0	75.0	75.1	75.1	75.1	75.1	75.1	75.1
GE 1800	68.1	69.4	71.7	72.8	74.7	74.9	75.1	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6
GE 1500	69.5	70.9	73.5	74.7	76.8	77.1	77.4	77.8	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1
GE 1200	71.0	72.6	75.3	76.8	79.0	79.7	80.3	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4
GE 1000	71.8	73.3	76.2	78.1	80.6	81.4	82.2	83.1	83.3	83.3	83.5	83.5	83.5	83.5	83.5	83.5
GE 900	72.4	74.0	76.8	79.2	81.9	82.7	83.8	85.0	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4
GE 800	72.8	74.4	77.3	79.9	82.7	83.6	85.1	86.4	86.8	87.1	87.4	87.4	87.4	87.4	87.4	87.4
GE 700	73.3	74.9	78.1	80.6	83.8	84.7	86.3	87.6	87.9	88.2	88.6	88.6	88.6	88.6	88.6	88.6
GE 600	73.3	74.9	78.2	81.3	84.[illegible]	85.6	87.9	89.4	89.7	90.3	90.8	90.8	91.2	91.2	91.2	91.2
GE 500	73.3	74.9	78.3	81.4	85.0	85.9	88.7	90.1	90.6	91.4	92.1	92.1	92.4	92.4	92.4	92.4
GE 400	73.3	74.9	78.5	81.5	85.3	86.4	89.7	91.3	91.8	93.5	94.4	94.4	95.0	95.0	95.1	95.1
GE 300	73.5	75.0	78.7	81.8	86.0	87.2	90.5	92.1	92.6	94.4	95.5	95.5	96.4	96.5	97.1	97.3
GE 200	73.5	75.0	78.7	81.8	86.0	87.2	90.5	92.1	92.6	94.7	96.0	96.0	97.2	97.3	98.2	98.6
GE 100	73.5	75.0	78.7	81.8	86.0	87.2	90.5	92.1	92.6	94.7	96.0	96.0	97.2	97.3	99.1	99.7
GE 000	73.5	75.0	78.7	81.8	86.0	87.2	90.5	92.1	92.6	94.7	96.0	96.0	97.2	97.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 780

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.2	39.0	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
GE 20000	44.3	45.1	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
GE 18000	44.7	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 16000	44.7	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 14000	45.4	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
GE 12000	46.6	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
GE 10000	50.1	50.9	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
GE 9000	50.6	51.4	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 8000	54.7	55.5	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 7000	55.3	56.1	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 6000	55.9	56.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
GE 5000	56.9	57.9	59.5	59.7	59.8	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 4500	58.4	59.4	61.3	61.4	61.7	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
GE 4000	62.2	63.2	65.2	65.3	65.6	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
GE 3500	66.6	67.8	69.9	70.0	70.3	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 3000	68.7	70.1	72.2	72.4	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 2500	70.6	72.0	74.1	74.5	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
GE 2000	72.5	73.9	76.3	76.9	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
GE 1800	72.8	74.1	76.6	77.2	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 1500	73.6	75.1	78.2	78.9	80.3	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1200	75.5	77.0	80.2	81.0	82.8	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 1000	76.9	78.6	82.2	83.6	85.5	86.1	86.2	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6	86.6
GE 900	77.5	79.2	82.9	84.4	86.4	87.0	87.1	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 800	77.9	79.9	83.9	85.5	87.6	88.3	88.9	89.3	89.7	89.7	89.7	89.7	89.8	89.8	89.8	89.8
GE 700	78.2	80.2	84.3	86.3	88.7	89.4	90.1	90.8	91.1	91.1	91.1	91.1	91.3	91.3	91.3	91.3
GE 600	78.2	80.3	84.5	87.2	90.1	91.1	92.3	93.2	93.7	93.7	93.7	93.7	93.8	93.8	93.8	93.8
GE 500	78.5	80.7	85.2	87.9	91.4	92.5	93.7	94.8	95.3	95.4	95.4	95.4	95.5	95.5	95.5	95.5
GE 400	78.5	80.7	85.3	88.3	92.1	93.3	94.8	96.6	97.0	97.6	97.7	97.7	98.4	98.4	98.4	98.4
GE 300	78.5	80.7	85.3	88.3	92.2	93.4	94.9	97.0	97.5	98.0	98.2	98.2	99.4	99.4	99.5	99.5
GE 200	78.5	80.7	85.3	88.3	92.2	93.4	94.9	97.0	97.5	98.0	98.2	98.2	99.4	99.4	100.0	100.0
GE 100	78.5	80.7	85.3	88.3	92.2	93.4	94.9	97.0	97.5	98.0	98.2	98.2	99.4	99.4	100.0	100.0
GE 000	78.5	80.7	85.3	88.3	92.2	93.4	94.9	97.0	97.5	98.0	98.2	98.2	99.4	99.4	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 870

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.8	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1
GE 20000	44.4	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 18000	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 16000	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 14000	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
GE 12000	46.5	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
GE 10000	49.1	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
GE 9000	49.4	49.7	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
GE 8000	51.9	52.2	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
GE 7000	53.2	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 6000	54.2	54.6	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 5000	56.1	56.6	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
GE 4500	58.4	58.9	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 4000	63.9	64.4	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 3500	68.9	69.3	70.5	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
GE 3000	72.2	72.7	74.3	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 2500	74.5	75.1	76.8	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
GE 2000	76.9	77.7	79.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 1800	77.4	78.3	80.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 1500	80.1	81.1	83.5	84.6	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1200	81.6	82.7	85.1	86.8	87.3	87.5	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	82.4	83.8	86.5	88.3	89.0	89.3	89.6	89.9	89.9	89.9	89.9	89.9	90.1	90.1	90.1	90.1
GE 900	82.8	84.2	86.8	88.7	89.6	89.9	90.1	90.5	90.5	90.5	90.5	90.5	90.7	90.7	90.7	90.7
GE 800	83.1	84.7	87.5	89.7	90.6	91.0	91.4	91.7	91.8	91.8	91.8	91.8	92.1	92.1	92.1	92.1
GE 700	83.4	85.0	87.8	90.1	91.6	92.4	92.8	93.2	93.3	93.7	93.7	93.7	93.9	93.9	93.9	93.9
GE 600	83.5	85.1	88.6	91.2	93.1	93.9	94.6	95.3	95.5	95.9	95.9	95.9	96.2	96.2	96.2	96.2
GE 500	83.6	85.2	88.7	91.3	93.9	94.7	95.9	97.0	97.4	97.8	97.8	97.8	98.2	98.2	98.3	98.3
GE 400	83.7	85.3	89.2	91.7	94.6	95.4	96.6	97.8	98.2	98.6	98.6	98.6	99.2	99.2	99.3	99.3
GE 300	83.7	85.3	89.2	91.7	94.6	95.4	96.6	97.8	98.2	98.6	98.6	98.6	99.2	99.2	99.3	99.3
GE 200	83.7	85.3	89.2	91.7	94.6	95.4	96.6	97.8	98.2	98.6	98.6	98.6	99.4	99.4	99.9	99.9
GE 100	83.7	85.3	89.2	91.7	94.6	95.4	96.6	97.8	98.2	98.6	98.6	98.6	99.4	99.4	99.9	100.0
GE 000	83.7	85.3	89.2	91.7	94.6	95.4	96.6	97.8	98.2	98.6	98.6	98.6	99.4	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 871

D - 2 - 30

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
GE 20000	48.3	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
GE 18000	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 16000	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 14000	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
GE 12000	50.2	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
GE 10000	52.2	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 9000	52.6	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 8000	55.5	56.0	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 7000	57.3	57.8	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 6000	58.5	59.0	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
GE 5000	59.5	60.0	61.3	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 4500	62.0	62.5	64.1	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
GE 4000	66.5	67.1	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 3500	72.1	72.7	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 3000	75.7	76.6	78.2	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2500	77.6	78.5	80.2	80.7	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 2000	79.8	80.7	82.4	83.1	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 1800	80.6	81.4	83.2	83.8	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 1500	81.9	82.9	85.2	86.1	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 1200	83.1	84.2	86.8	87.7	88.5	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	83.7	84.9	88.2	89.4	91.0	91.3	91.7	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 900	83.9	85.2	88.5	89.9	91.5	91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.5	92.5	92.5	92.5
GE 800	83.9	85.3	88.8	90.3	92.0	92.5	93.0	93.6	93.6	93.6	93.6	93.6	93.8	93.8	93.8	93.8
GE 700	83.9	85.3	89.0	90.7	92.5	93.2	93.8	94.6	94.6	94.6	94.6	94.6	94.9	94.9	94.9	94.9
GE 600	83.9	85.3	89.0	90.7	92.7	93.3	94.1	95.4	95.4	95.4	95.4	95.4	95.6	95.6	95.6	95.6
GE 500	83.9	85.3	89.5	91.2	93.4	94.0	95.0	96.6	96.6	96.6	96.6	96.6	97.1	97.1	97.1	97.1
GE 400	83.9	85.3	89.7	91.3	93.8	94.4	95.6	97.3	97.3	97.4	97.5	97.5	98.3	98.3	98.3	98.3
GE 300	83.9	85.3	89.7	91.3	93.8	94.4	95.8	97.5	97.5	97.8	97.9	97.9	98.9	98.9	98.9	98.9
GE 200	83.9	85.3	89.7	91.3	93.8	94.4	95.8	97.5	97.5	97.8	97.9	97.9	99.0	99.0	99.1	99.3
GE 100	83.9	85.3	89.7	91.3	93.8	94.4	95.8	97.5	97.5	97.8	97.9	97.9	99.0	99.0	99.1	100.0
GE 000	83.9	85.3	89.7	91.3	93.8	94.4	95.8	97.5	97.5	97.8	97.9	97.9	99.0	99.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 803

D - 2 - 31

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.3	44.3	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
GE 20000	52.2	52.2	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 18000	52.5	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 16000	52.5	52.5	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
GE 14000	53.0	53.0	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 12000	53.7	53.7	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	56.9	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
GE 9000	57.0	57.4	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 8000	58.7	59.1	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
GE 7000	60.9	61.2	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 6000	62.4	62.9	64.1	64.3	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
GE 5000	63.8	64.4	65.6	65.9	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4500	67.6	68.8	70.0	70.5	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 4000	70.5	71.8	73.0	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	73.7	75.2	76.3	77.5	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 3000	75.8	77.3	78.7	79.9	80.2	80.2	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 2500	77.7	79.4	80.9	82.0	82.4	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2000	79.7	81.4	82.9	84.1	84.6	84.9	84.9	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1800	79.7	81.4	82.9	84.1	84.7	85.1	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1500	80.4	82.0	83.7	84.9	86.1	86.6	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
GE 1200	81.0	82.7	84.9	86.4	87.9	88.6	88.6	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
GE 1000	81.7	83.7	85.9	87.6	89.1	89.9	90.8	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 900	81.7	83.7	85.9	87.6	89.1	89.9	90.8	91.3	91.3	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	81.7	83.7	86.1	88.3	89.9	90.8	91.9	92.6	92.6	93.1	93.3	93.3	93.3	93.3	93.3	93.3
GE 700	81.7	83.7	86.1	88.8	90.8	91.6	92.8	93.5	93.5	94.0	94.1	94.1	94.1	94.1	94.1	94.1
GE 600	81.9	83.9	86.6	89.4	91.8	92.8	94.1	95.1	95.1	95.6	95.8	95.8	95.8	95.8	95.8	95.8
GE 500	81.9	83.9	86.6	89.4	91.8	92.8	94.1	95.1	95.1	96.1	96.3	96.3	96.5	96.5	96.5	96.5
GE 400	81.9	83.9	86.6	89.4	91.8	92.8	94.6	95.6	95.6	96.6	97.0	97.0	97.5	97.5	97.5	97.5
GE 300	81.9	83.9	86.6	89.4	91.8	92.8	94.8	95.8	95.8	97.3	97.7	97.7	98.2	98.2	98.3	98.3
GE 200	81.9	83.9	86.6	89.4	91.8	92.8	94.8	96.1	96.1	97.7	98.0	98.0	98.5	98.5	98.7	98.7
GE 100	81.9	83.9	86.6	89.4	91.8	92.8	94.8	96.1	96.1	97.7	98.0	98.0	98.5	98.5	99.2	99.5
GE 000	81.9	83.9	86.6	89.4	91.8	92.8	94.8	96.1	96.1	97.7	98.0	98.0	98.5	98.5	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 596

D - 2 - 32

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.3	50.7	50.7	50.7	50.7	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
GE 20000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 18000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 16000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 14000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 12000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 10000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 9000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 8000	53.6	55.1	55.1	55.1	55.1	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
GE 7000	56.5	58.0	58.0	58.0	58.0	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
GE 6000	58.0	59.4	59.4	59.4	59.4	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
GE 5000	60.9	62.3	63.8	63.8	63.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 4500	63.8	66.7	68.1	68.1	68.1	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 4000	65.2	68.1	69.6	71.0	71.0	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 3500	68.1	71.0	72.5	73.9	73.9	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 3000	75.4	78.3	79.7	81.2	81.2	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 2500	76.8	79.7	82.6	84.1	84.1	85.5	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
GE 2000	79.7	82.6	85.5	87.0	87.0	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1800	79.7	82.6	85.5	87.0	87.0	88.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1500	81.2	84.1	87.0	88.4	88.4	89.9	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
GE 1200	82.6	85.5	88.4	89.9	89.9	91.3	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 900	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 800	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 700	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 600	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 500	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 300	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 200	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 100	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	100.0	100.0
GE 000	82.6	87.0	89.9	94.2	95.7	97.1	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 69

D - 2 - 33

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: APR HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.1	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8
GE 20000	46.0	46.5	46.7	46.7	46.8	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9
GE 18000	46.3	46.7	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2
GE 16000	46.3	46.7	47.0	47.0	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.2	47.2	47.2	47.2
GE 14000	46.8	47.2	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7
GE 12000	48.0	48.5	48.7	48.7	48.8	48.8	48.8	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9
GE 10000	51.0	51.6	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 9000	51.4	52.0	52.6	52.6	52.8	52.8	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
GE 8000	54.6	55.2	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.4
GE 7000	56.0	56.6	57.4	57.5	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.9	57.9	57.9
GE 6000	57.0	57.7	58.6	58.7	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.1
GE 5000	58.3	59.0	60.3	60.6	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1
GE 4500	60.5	61.3	62.8	63.1	63.5	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8
GE 4000	64.1	65.0	66.5	67.0	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7	67.7	67.7	67.7	67.7
GE 3500	68.2	69.2	70.8	71.3	71.8	71.8	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1
GE 3000	71.1	72.1	73.8	74.5	75.1	75.1	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4
GE 2500	72.8	73.9	75.8	76.6	77.1	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5
GE 2000	74.8	76.0	78.0	78.9	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1	80.1
GE 1800	75.2	76.4	78.4	79.4	80.2	80.3	80.4	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6
GE 1500	76.6	77.9	80.4	81.5	82.7	82.9	83.1	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.4
GE 1200	78.1	79.4	82.1	83.4	84.8	85.3	85.5	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9
GE 1000	78.9	80.5	83.5	85.2	86.9	87.4	87.9	88.3	88.3	88.4	88.5	88.5	88.6	88.6	88.6	88.6
GE 900	79.3	81.0	84.0	85.8	87.6	88.1	88.7	89.1	89.2	89.3	89.3	89.3	89.5	89.5	89.5	89.5
GE 800	79.6	81.3	84.5	86.5	88.4	89.1	89.9	90.6	90.7	90.9	91.0	91.0	91.1	91.1	91.1	91.2
GE 700	79.8	81.6	84.9	87.1	89.3	90.1	90.9	91.8	91.9	92.2	92.3	92.3	92.4	92.4	92.4	92.5
GE 600	79.8	81.6	85.2	87.8	90.4	91.2	92.5	93.5	93.7	94.0	94.2	94.2	94.4	94.4	94.4	94.4
GE 500	79.9	81.7	85.5	88.1	91.0	91.9	93.3	94.6	94.9	95.4	95.5	95.5	95.8	95.8	95.9	95.9
GE 400	79.9	81.7	85.6	88.3	91.4	92.4	94.2	95.6	95.9	96.6	96.9	96.9	97.6	97.6	97.6	97.7
GE 300	80.0	81.8	85.7	88.3	91.6	92.6	94.4	95.9	96.2	97.1	97.4	97.4	98.3	98.3	98.5	98.6
GE 200	80.0	81.8	85.7	88.3	91.6	92.6	94.4	96.0	96.2	97.2	97.6	97.6	98.6	98.7	99.1	99.3
GE 100	80.0	81.8	85.7	88.3	91.6	92.6	94.4	96.0	96.2	97.2	97.6	97.6	98.6	98.7	99.4	99.9
GE 000	80.0	81.8	85.7	88.3	91.6	92.6	94.4	96.0	96.2	97.2	97.6	97.6	98.6	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 4087

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000																
GE 4500																
GE 4000																
GE 3500																
GE 3000																
GE 2500																
GE 2000																
GE 1800																
GE 1500																
GE 1200																
GE 1000																
GE 900																
GE 800																
GE 700																
GE 600																
GE 500																
GE 400																100.0
GE 300																100.0
GE 200																100.0
GE 100																100.0
GE 000																100.0

TOTAL NUMBER OF OBSERVATIONS 1

D - 2 - 35

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	35.1	36.1	40.8	41.9	42.9	42.9	42.9	43.5	43.5	44.0	44.5	44.5	45.0	45.0	45.0	45.0
GE 20000	36.6	37.7	44.0	45.0	46.1	46.1	46.6	47.1	47.1	47.6	48.2	48.2	48.7	48.7	48.7	49.2
GE 18000	36.6	37.7	44.0	45.0	46.1	46.1	46.6	47.1	47.1	47.6	48.2	48.2	48.7	48.7	48.7	49.2
GE 16000	36.6	37.7	44.0	45.0	46.1	46.1	46.6	47.1	47.1	47.6	48.2	48.2	48.7	48.7	48.7	49.2
GE 14000	37.2	38.2	44.5	45.5	46.6	46.6	47.1	47.6	47.6	48.2	48.7	48.7	49.2	49.2	49.2	49.7
GE 12000	37.2	38.2	44.5	45.5	46.6	46.6	47.1	47.6	47.6	48.2	48.7	48.7	49.2	49.2	49.2	49.7
GE 10000	39.3	41.4	48.2	49.7	50.8	50.8	51.3	51.8	51.8	52.4	52.9	52.9	53.4	53.4	53.4	53.9
GE 9000	39.3	41.4	48.2	49.7	50.8	50.8	51.3	51.8	51.8	52.4	52.9	52.9	53.4	53.4	53.4	53.9
GE 8000	43.5	45.5	52.4	54.5	56.0	56.0	56.5	57.1	57.1	57.6	58.1	58.1	58.6	58.6	58.6	59.2
GE 7000	45.0	47.6	54.5	56.5	58.1	58.1	58.6	59.2	59.2	59.7	60.2	60.2	60.7	60.7	60.7	61.3
GE 6000	47.6	50.3	57.6	59.7	61.3	61.3	61.8	62.3	62.3	62.8	63.4	63.4	63.9	63.9	63.9	64.4
GE 5000	48.2	51.3	58.6	60.7	62.3	62.3	62.8	63.4	63.4	63.9	64.4	64.4	64.9	64.9	64.9	65.4
GE 4500	50.3	53.4	60.7	62.8	64.4	64.4	64.9	65.4	65.4	66.0	66.5	66.5	67.0	67.0	67.0	67.5
GE 4000	51.3	54.5	62.3	64.9	66.5	66.5	67.0	67.5	67.5	68.6	69.1	69.1	69.6	69.6	69.6	70.2
GE 3500	52.4	55.5	63.4	66.0	68.1	68.1	68.6	69.1	69.1	70.2	70.7	70.7	71.2	71.2	71.2	71.7
GE 3000	52.9	56.0	65.4	68.1	70.2	70.2	70.7	71.2	71.2	72.3	72.8	72.8	73.3	73.3	73.3	73.8
GE 2500	54.5	57.6	67.0	69.6	71.7	71.7	72.3	72.8	72.8	73.8	74.3	74.3	74.9	74.9	74.9	75.4
GE 2000	54.5	57.6	67.0	69.6	71.7	71.7	72.3	72.8	72.8	73.8	74.3	74.3	74.9	74.9	74.9	75.4
GE 1800	54.5	57.6	67.0	69.6	71.7	71.7	72.3	72.8	72.8	73.8	74.3	74.3	74.9	74.9	74.9	75.4
GE 1500	55.0	58.1	68.1	70.7	73.3	73.3	73.8	74.3	74.3	75.4	75.9	75.9	76.4	76.4	76.4	77.0
GE 1200	55.0	58.6	68.6	71.7	74.3	74.3	74.9	75.4	75.4	76.4	77.5	77.5	78.0	78.0	78.0	78.5
GE 1000	55.5	59.2	69.1	72.3	75.4	75.4	76.4	77.5	77.5	78.5	79.6	79.6	80.1	80.1	80.1	80.6
GE 900	56.0	59.7	69.6	72.8	75.9	75.9	77.5	79.1	79.1	80.1	81.2	81.2	81.7	81.7	81.7	82.2
GE 800	56.0	59.7	69.6	72.8	75.9	75.9	77.5	79.1	79.1	80.1	81.2	81.2	81.7	81.7	81.7	82.2
GE 700	56.0	59.7	69.6	73.3	77.0	77.5	79.1	80.6	80.6	81.7	82.7	82.7	83.2	83.2	83.2	83.8
GE 600	56.0	59.7	69.6	73.3	77.0	77.5	79.1	81.2	81.2	82.7	84.3	84.3	85.3	85.3	85.3	85.9
GE 500	56.5	60.2	70.7	74.9	78.5	79.1	80.6	82.7	82.7	84.3	85.9	85.9	86.9	86.9	86.9	87.4
GE 400	56.5	60.2	70.7	74.9	79.1	79.6	82.2	85.3	85.3	86.9	88.5	88.5	90.6	90.6	90.6	91.6
GE 300	56.5	60.2	70.7	74.9	79.1	79.6	82.7	86.4	86.4	88.5	90.1	90.1	92.7	92.7	93.2	94.8
GE 200	56.5	60.2	70.7	74.9	79.1	79.6	82.7	86.4	86.4	88.5	90.1	90.1	93.7	93.7	94.8	96.9
GE 100	56.5	60.2	70.7	74.9	79.1	79.6	82.7	86.4	86.4	88.5	90.1	90.1	94.2	94.2	97.4	99.5
GE 000	56.5	60.2	70.7	74.9	79.1	79.6	82.7	86.4	86.4	88.5	90.1	90.1	94.2	94.2	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 191

D - 2 - 36

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.8	42.9	44.5	45.7	46.0	46.2	46.8	46.8	46.8	46.8	46.9	46.9	46.9	46.9	7.1	47.1
GE 20000	47.0	48.3	50.2	51.6	51.9	52.2	52.9	52.9	52.9	52.9	53.2	53.2	53.2	53.2	53.5	53.5
GE 18000	47.2	48.6	50.5	51.8	52.2	52.4	53.1	53.1	53.1	53.1	53.5	53.5	53.5	53.5	53.7	53.7
GE 16000	47.5	48.8	50.7	52.0	52.4	52.6	53.4	53.4	53.4	53.4	53.7	53.7	53.7	53.7	54.0	54.0
GE 14000	48.4	49.8	51.7	53.0	53.4	53.6	54.3	54.3	54.3	54.3	54.7	54.7	54.7	54.7	54.9	54.9
GE 12000	49.3	50.6	52.8	54.1	54.4	54.7	55.4	55.4	55.4	55.4	55.8	55.8	55.8	55.8	56.0	56.0
GE 10000	51.7	53.6	55.9	57.2	57.6	57.8	58.6	58.6	58.6	58.6	59.0	59.0	59.0	59.0	59.2	59.2
GE 9000	51.8	53.7	56.1	57.4	57.8	58.2	59.0	59.1	59.1	59.1	59.5	59.5	59.5	59.5	59.7	59.7
GE 8000	56.1	58.2	60.7	62.0	62.4	62.7	63.5	63.8	63.8	63.8	64.1	64.1	64.3	64.3	64.6	64.6
GE 7000	57.9	60.1	62.7	64.0	64.4	64.7	65.7	65.9	65.9	65.9	66.3	66.3	66.4	66.4	66.8	66.8
GE 6000	58.4	60.7	63.4	64.9	65.2	65.6	66.5	66.8	66.8	66.8	67.3	67.3	67.4	67.4	67.7	67.7
GE 5000	60.0	62.5	65.2	66.7	67.3	67.6	68.7	68.9	68.9	68.9	69.4	69.4	69.7	69.7	70.0	70.0
GE 4500	61.5	64.0	66.8	68.2	69.1	69.4	70.5	70.7	70.7	70.7	71.2	71.2	71.5	71.5	71.8	71.8
GE 4000	62.0	64.5	67.5	68.9	69.8	70.1	71.3	71.6	71.6	71.8	72.3	72.3	72.5	72.5	72.9	72.9
GE 3500	63.2	65.7	68.8	70.3	71.1	71.5	72.8	73.0	73.0	73.3	73.7	73.7	74.0	74.0	74.3	74.3
GE 3000	63.8	66.8	70.1	71.7	72.5	72.9	74.2	74.5	74.5	74.7	75.3	75.3	75.5	75.5	75.9	75.9
GE 2500	65.1	68.2	71.6	73.1	74.2	74.6	75.9	76.1	76.1	76.5	77.1	77.1	77.3	77.3	77.7	77.7
GE 2000	65.7	68.9	72.4	74.0	75.1	75.4	76.7	77.0	77.0	77.3	78.1	78.1	78.3	78.3	78.7	78.7
GE 1800	66.1	69.3	72.8	74.3	75.4	75.8	77.1	77.3	77.3	77.7	78.4	78.[illegible]	78.7	78.7	79.0	79.0
GE 1500	66.5	69.8	73.5	75.3	76.7	77.1	78.4	78.7	78.7	79.0	79.7	79.7	80.0	80.0	80.3	80.3
GE 1200	67.0	70.6	74.5	76.4	78.3	79.0	80.6	80.8	80.8	81.2	81.9	81.9	82.1	82.1	82.5	82.5
GE 1000	68.2	71.8	75.7	77.6	79.9	80.6	82.3	82.5	82.5	82.9	83.7	83.7	83.9	83.9	84.3	84.3
GE 900	68.8	72.4	76.4	78.5	80.9	81.7	83.3	83.6	83.6	83.9	84.8	84.8	85.0	85.0	85.4	85.4
GE 800	68.9	72.5	76.6	79.0	81.5	82.3	84.2	84.4	84.4	84.8	85.6	85.6	85.9	85.9	86.2	86.2
GE 700	68.9	72.5	77.0	79.6	82.4	83.3	86.0	86.3	86.3	86.7	87.5	87.5	87.8	87.8	88.2	88.2
GE 600	69.1	72.7	77.1	79.7	83.5	84.5	87.5	88.1	88.2	88.8	89.7	89.7	90.0	90.0	90.5	90.5
GE 500	69.1	72.7	77.2	80.0	83.7	84.9	88.2	89.1	89.2	90.0	91.0	91.0	91.6	91.6	92.1	92.1
GE 400	69.1	72.7	77.5	80.3	84.7	85.9	89.3	90.6	91.2	92.8	94.1	94.1	94.8	94.8	95.3	95.3
GE 300	69.1	72.7	77.6	80.5	85.1	86.3	90.2	91.7	92.6	94.8	96.2	96.2	97.2	97.2	98.0	98.0
GE 200	69.1	72.7	77.6	80.5	85.1	86.3	90.2	91.7	92.6	95.0	96.3	96.3	97.7	97.7	98.7	98.8
GE 100	69.1	72.7	77.6	80.5	85.1	86.3	90.2	91.7	92.6	95.0	96.3	96.3	97.8	98.0	99.4	99.9
GE 000	69.1	72.7	77.6	80.5	85.1	86.3	90.2	91.7	92.6	95.0	96.3	96.3	97.8	98.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 834

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	41.7	42.0	43.0	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
GE 20000	50.0	50.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 18000	51.4	52.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 16000	51.4	52.3	53.3	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 14000	52.1	53.1	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 12000	53.4	54.3	55.5	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 10000	56.7	57.7	58.9	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 9000	56.8	57.9	59.0	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 8000	60.3	61.5	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 7000	61.4	62.8	64.0	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 6000	61.9	63.3	64.7	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 5000	63.8	65.3	66.7	67.0	67.3	67.3	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4500	64.3	65.7	67.1	67.5	67.7	67.7	67.8	67.8	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 4000	66.8	68.2	69.7	70.1	70.3	70.3	70.4	70.4	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 3500	70.9	72.4	74.1	74.4	74.6	74.6	74.8	74.8	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3000	71.9	73.7	75.5	76.1	76.3	76.3	76.5	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 2500	73.9	75.7	77.5	78.1	78.4	78.4	78.6	78.6	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 2000	75.7	77.7	79.7	80.3	80.6	80.6	80.9	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 1800	75.8	77.9	80.0	80.6	81.0	81.0	81.2	81.2	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 1500	76.9	79.2	81.7	82.3	82.7	82.7	83.0	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 1200	78.3	81.0	83.8	84.5	85.0	85.0	85.3	85.3	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 1000	78.6	81.3	84.3	85.6	86.4	86.5	87.1	87.1	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 900	78.8	81.6	84.7	86.0	87.0	87.1	87.9	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GE 800	78.8	81.7	85.3	87.0	88.3	88.6	89.4	89.6	89.9	90.3	90.3	90.3	90.3	90.3	90.3	90.3
GE 700	78.9	81.8	85.4	87.3	89.0	89.3	90.6	91.8	92.1	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 600	78.9	81.8	85.6	87.9	90.0	90.4	91.7	93.4	93.8	94.4	94.5	94.5	94.7	94.7	94.8	94.8
GE 500	78.9	81.8	85.7	88.1	91.1	91.4	93.0	95.3	95.7	96.2	96.4	96.4	96.6	96.6	96.7	96.7
GE 400	78.9	81.9	85.8	88.3	91.3	91.9	93.8	96.4	96.8	98.2	98.5	98.5	98.8	98.8	99.2	99.2
GE 300	78.9	81.9	85.8	88.4	91.4	92.0	93.9	96.5	96.9	98.4	98.7	98.7	99.1	99.1	99.4	99.4
GE 200	78.9	81.9	85.8	88.4	91.4	92.0	93.9	96.9	97.4	98.8	99.2	99.2	99.5	99.6	100.0	100.0
GE 100	78.9	81.9	85.8	88.4	91.4	92.0	93.9	96.9	97.4	98.8	99.2	99.2	99.5	99.6	100.0	100.0
GE 000	78.9	81.9	85.8	88.4	91.4	92.0	93.9	96.9	97.4	98.8	99.2	99.2	99.5	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 852

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.4	37.9	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3	38.3
GE 20000	48.2	48.8	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
GE 18000	49.1	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	49.1	49.6	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	49.9	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
GE 12000	51.8	52.3	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 10000	55.4	56.1	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 9000	55.5	56.2	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 8000	58.5	59.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 7000	59.6	60.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 6000	60.4	61.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 5000	62.2	63.1	64.6	64.8	64.8	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 4500	62.9	64.2	65.7	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 4000	66.1	67.6	69.1	69.5	69.5	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 3500	71.7	73.2	75.0	75.4	75.4	75.4	75.4	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 3000	76.2	77.9	79.8	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 2500	77.9	79.7	81.6	82.2	82.3	82.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 2000	79.0	80.8	82.6	83.5	83.8	83.8	83.8	83.8	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 1800	79.0	80.9	83.1	83.9	84.3	84.3	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1500	80.0	81.9	84.5	85.3	85.9	85.9	85.9	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 1200	81.2	83.5	87.2	88.5	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
GE 1000	81.5	84.0	88.1	89.6	90.7	90.7	90.7	90.8	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
GE 900	81.9	84.4	89.0	90.7	91.9	91.9	92.3	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 800	82.2	84.6	89.8	91.9	93.3	93.9	94.7	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	82.2	84.7	90.1	92.4	93.8	94.4	95.5	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 600	82.3	84.9	90.6	92.8	95.1	95.7	96.9	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
GE 500	82.4	85.0	90.8	93.1	95.5	96.2	97.7	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
GE 400	82.4	85.0	90.8	93.1	95.5	96.4	98.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 300	82.4	85.0	90.8	93.1	95.5	96.4	98.1	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4
GE 200	82.4	85.0	90.8	93.1	95.5	96.4	98.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.4	85.0	90.8	93.1	95.5	96.4	98.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.4	85.0	90.8	93.1	95.5	96.4	98.6	99.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 852

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.4	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
GE 20000	46.7	47.4	47.6	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
GE 18000	47.0	47.6	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 16000	47.0	47.6	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
GE 14000	47.7	48.3	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
GE 12000	50.3	50.9	51.3	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
GE 10000	54.8	55.5	55.8	55.8	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
GE 9000	55.3	56.0	56.3	56.3	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
GE 8000	60.4	61.0	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 7000	61.8	62.6	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
GE 6000	63.3	64.0	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
GE 5000	65.9	66.6	67.5	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
GE 4500	67.4	68.1	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
GE 4000	72.0	72.8	74.0	74.1	74.2	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 3500	76.3	77.1	78.4	78.7	78.8	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
GE 3000	78.2	78.9	80.4	80.6	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	79.6	80.4	82.1	82.3	82.6	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2000	81.1	81.8	83.6	83.9	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 1800	81.2	82.1	84.0	84.4	84.9	84.9	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1500	82.1	83.2	85.9	86.5	87.0	87.0	87.5	87.7	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9
GE 1200	82.9	84.8	87.9	89.0	89.4	89.4	89.9	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	83.6	85.4	88.8	90.3	91.0	91.0	91.9	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5
GE 900	83.7	85.5	89.1	90.7	91.5	91.5	92.4	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0
GE 800	83.9	85.8	89.9	91.7	92.5	92.5	93.5	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 700	83.9	85.8	90.2	92.1	93.9	94.1	95.1	95.7	95.7	96.0	96.2	96.2	96.2	96.2	96.2	96.2
GE 600	84.0	86.0	90.6	92.5	94.5	94.7	95.7	96.4	96.4	96.8	97.1	97.1	97.1	97.1	97.1	97.1
GE 500	84.2	86.4	90.9	93.0	95.3	95.7	96.7	97.4	97.4	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 400	84.2	86.5	91.0	93.1	95.5	95.8	97.1	98.2	98.2	99.1	99.4	99.4	99.5	99.5	99.5	99.5
GE 300	84.2	86.5	91.0	93.1	95.5	95.8	97.1	98.2	98.2	99.1	99.4	99.4	99.5	99.5	99.5	99.5
GE 200	84.2	86.5	91.0	93.1	95.5	95.8	97.2	98.3	98.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0
GE 100	84.2	86.5	91.0	93.1	95.5	95.8	97.2	98.3	98.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0
GE 000	84.2	86.5	91.0	93.1	95.5	95.8	97.2	98.3	98.3	99.5	99.8	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 815

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.6	44.2	44.3	44.3	44.3	44.3	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
GE 20000	48.2	49.3	49.5	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
GE 18000	48.4	49.5	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 16000	48.4	49.5	49.6	49.6	49.6	49.6	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8	49.8
GE 14000	48.5	49.6	49.8	49.8	49.8	49.8	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	51.1	52.2	52.4	52.4	52.4	52.4	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 10000	55.7	56.9	57.1	57.1	57.1	57.1	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 9000	56.4	57.7	57.8	57.8	57.8	57.8	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2
GE 8000	62.0	63.3	63.9	64.2	64.2	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 7000	64.6	65.9	66.8	67.2	67.2	67.3	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
GE 6000	65.7	67.0	67.9	68.4	68.4	68.6	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
GE 5000	69.2	70.4	71.4	72.1	72.1	72.3	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 4500	71.5	72.8	73.7	74.6	74.8	75.0	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
GE 4000	74.1	75.4	76.3	77.6	77.9	78.1	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
GE 3500	75.4	76.8	77.9	79.2	80.1	80.3	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 3000	76.8	78.3	79.4	80.8	81.8	81.9	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 2500	77.9	79.9	81.0	82.5	83.4	83.6	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
GE 2000	78.8	80.8	82.5	83.9	84.9	85.0	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 1800	78.8	81.0	82.7	84.1	85.0	85.2	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
GE 1500	80.1	82.5	84.7	86.3	87.2	87.4	88.9	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2
GE 1200	80.8	83.6	86.5	88.7	89.8	90.0	91.4	91.8	91.8	92.0	92.0	92.0	92.0	92.0	92.0	92.0
GE 1000	81.5	84.5	87.6	89.8	91.1	91.2	92.7	93.1	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	81.6	84.5	87.6	89.8	91.1	91.2	92.7	93.1	93.1	93.4	93.8	93.8	93.8	93.8	93.8	93.8
GE 800	82.1	85.0	88.1	90.5	91.8	92.0	93.4	93.8	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5
GE 700	82.1	85.0	88.3	90.7	92.7	92.9	94.3	94.7	94.7	95.1	95.4	95.4	95.4	95.4	95.4	95.4
GE 600	82.[illegible]	85.2	88.5	90.9	92.9	93.1	94.5	94.9	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8
GE 500	82.7	85.6	88.9	91.2	93.2	93.4	95.3	95.6	95.6	96.2	96.7	96.7	96.7	96.7	96.7	96.7
GE 400	82.7	85.6	89.1	91.6	93.8	94.0	96.4	98.0	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5
GE 300	82.7	85.6	89.1	91.6	93.8	94.0	96.4	98.0	98.4	98.9	99.5	99.5	99.5	99.5	99.5	99.5
GE 200	82.7	85.6	89.1	91.6	93.8	94.0	96.4	98.4	98.7	99.3	99.8	99.8	99.8	99.8	99.8	99.8
GE 100	82.7	85.6	89.1	91.6	93.8	94.0	96.4	98.4	98.7	99.3	99.8	99.8	99.8	99.8	100.0	100.0
GE 000	82.7	85.6	89.1	91.6	93.8	94.0	96.4	98.4	98.7	99.3	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 548

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	58.1	58.1	60.5	60.5	60.5	60.5	60.5	60.5	60.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 20000	60.5	60.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 18000	60.5	60.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 16000	60.5	60.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 14000	60.5	60.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 12000	60.5	60.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	65.1	65.1	65.1	65.1	65.1	65.1	65.1
GE 10000	67.4	67.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 9000	67.4	67.4	69.8	69.8	69.8	69.8	69.8	69.8	69.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 8000	69.8	69.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 7000	69.8	69.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 6000	69.8	69.8	72.1	72.1	72.1	72.1	72.1	72.1	72.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 5000	72.1	72.1	74.4	74.4	74.4	74.4	74.4	74.4	74.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 4500	76.7	76.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 4000	79.1	79.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3500	79.1	79.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	83.7	83.7	83.7	83.7	83.7	83.7	83.7
GE 3000	81.4	81.4	83.7	83.7	86.0	86.0	86.0	86.0	86.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2500	81.4	81.4	83.7	83.7	86.0	86.0	86.0	86.0	86.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 2000	81.4	81.4	83.7	83.7	86.0	86.0	86.0	86.0	86.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1800	81.4	81.4	83.7	83.7	86.0	86.0	86.0	86.0	86.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1500	81.4	81.4	83.7	83.7	86.0	86.0	86.0	86.0	86.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1200	81.4	81.4	83.7	83.7	86.0	86.0	86.0	86.0	86.0	88.4	88.4	88.4	88.4	88.4	88.4	88.4
GE 1000	81.4	81.4	86.0	88.4	93.0	93.0	93.0	93.0	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 900	81.4	81.4	86.0	88.4	93.0	93.0	93.0	93.0	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 800	81.4	81.4	86.0	88.4	93.0	93.0	93.0	93.0	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 700	81.4	81.4	86.0	88.4	93.0	93.0	93.0	93.0	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 600	81.4	81.4	86.0	88.4	93.0	93.0	93.0	93.0	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 500	81.4	81.4	86.0	88.4	93.0	93.0	93.0	93.0	93.0	95.3	95.3	95.3	95.3	95.3	95.3	95.3
GE 400	81.4	81.4	86.0	88.4	93.0	93.0	93.0	95.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	81.4	81.4	86.0	88.4	93.0	93.0	93.0	95.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	81.4	81.4	86.0	88.4	93.0	93.0	93.0	95.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	81.4	81.4	86.0	88.4	93.0	93.0	93.0	95.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	81.4	81.4	86.0	88.4	93.0	93.0	93.0	95.3	97.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 43

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.1	40.7	41.6	41.9	42.0	42.0	42.2	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.4	42.4
GE 20000	47.6	48.5	49.6	49.9	50.1	50.1	50.3	50.3	50.3	50.4	50.5	50.5	50.5	50.5	50.6	50.6
GE 18000	48.2	49.1	50.1	50.5	50.7	50.7	50.9	50.9	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.2
GE 16000	48.3	49.2	50.2	50.6	50.7	50.7	50.9	51.0	51.0	51.0	51.1	51.1	51.1	51.1	51.2	51.2
GE 14000	49.0	49.9	50.9	51.3	51.4	51.5	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.9	51.9
GE 12000	50.6	51.5	52.8	53.1	53.3	53.3	53.5	53.6	53.6	53.6	53.7	53.7	53.7	53.7	53.8	53.8
GE 10000	54.2	55.3	56.6	57.0	57.2	57.2	57.4	57.5	57.5	57.5	57.6	57.6	57.6	57.6	57.7	57.7
GE 9000	54.5	55.6	56.9	57.3	57.4	57.5	57.8	57.8	57.8	57.9	58.0	58.0	58.0	58.0	58.0	58.1
GE 8000	58.6	59.9	61.3	61.8	62.0	62.1	62.3	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.7	62.7
GE 7000	60.2	61.5	63.1	63.5	63.7	63.8	64.1	64.2	64.2	64.2	64.3	64.3	64.4	64.4	64.4	64.5
GE 6000	61.1	62.5	64.1	64.7	64.8	64.9	65.2	65.3	65.3	65.4	65.5	65.5	65.5	65.5	65.6	65.6
GE 5000	63.2	64.6	66.4	67.0	67.3	67.4	67.7	67.8	67.9	68.0	68.1	68.1	68.2	68.2	68.3	68.3
GE 4500	64.5	66.0	67.9	68.5	68.9	69.0	69.3	69.4	69.5	69.6	69.7	69.7	69.8	69.8	69.8	69.9
GE 4000	67.1	68.6	70.6	71.4	71.7	71.8	72.3	72.3	72.5	72.6	72.7	72.7	72.8	72.8	72.8	72.9
GE 3500	70.4	72.0	74.1	74.9	75.4	75.5	75.9	76.0	76.1	76.2	76.4	76.4	76.4	76.4	76.5	76.5
GE 3000	72.2	74.1	76.4	77.3	77.8	77.9	78.4	78.5	78.6	78.7	78.8	78.8	78.9	78.9	79.0	79.0
GE 2500	73.8	75.7	78.1	79.0	79.6	79.7	80.2	80.3	80.4	80.5	80.7	80.7	80.8	80.8	80.8	80.9
GE 2000	74.9	76.9	79.4	80.4	81.1	81.2	81.7	81.7	81.9	82.0	82.2	82.2	82.3	82.3	82.3	82.4
GE 1800	75.0	77.1	79.8	80.8	81.5	81.6	82.1	82.1	82.3	82.4	82.6	82.6	82.7	82.7	82.7	82.8
GE 1500	75.9	78.1	81.2	82.3	83.2	83.3	83.9	84.1	84.2	84.4	84.6	84.6	84.6	84.6	84.7	84.7
GE 1200	76.8	79.4	83.1	84.5	85.5	85.7	86.4	86.6	86.7	86.9	87.1	87.1	87.2	87.2	87.3	87.3
GE 1000	77.4	80.1	84.0	85.7	87.0	87.2	88.1	88.4	88.5	88.8	89.0	89.0	89.1	89.1	89.2	89.2
GE 900	77.7	80.4	84.5	86.3	87.7	87.9	89.0	89.3	89.4	89.7	89.9	89.9	90.0	90.0	90.1	90.1
GE 800	77.9	80.7	85.0	87.1	88.7	89.1	90.3	90.6	90.7	91.0	91.3	91.3	91.4	91.4	91.4	91.5
GE 700	77.9	80.7	85.3	87.5	89.6	90.0	91.5	92.2	92.3	92.6	93.0	93.0	93.0	93.0	93.1	93.2
GE 600	78.0	80.8	85.5	87.9	90.4	90.9	92.5	93.4	93.6	94.0	94.4	94.4	94.6	94.6	94.7	94.7
GE 500	78.1	81.0	85.8	88.2	91.1	91.6	93.4	94.5	94.7	95.3	95.7	95.7	95.9	95.9	96.0	96.1
GE 400	78.1	81.0	85.9	88.4	91.4	92.1	94.2	95.8	96.1	97.1	97.6	97.6	98.0	98.0	98.1	98.2
GE 300	78.1	81.0	85.9	88.5	91.5	92.2	94.4	96.1	96.5	97.6	98.2	98.2	98.6	98.6	98.8	98.9
GE 200	78.1	81.0	85.9	88.5	91.5	92.2	94.5	96.4	96.8	98.0	98.5	98.5	99.1	99.2	99.4	99.6
GE 100	78.1	81.0	85.9	88.5	91.5	92.2	94.5	96.4	96.8	98.0	98.5	98.5	99.2	99.2	99.7	100.0
GE 000	78.1	81.0	85.9	88.5	91.5	92.2	94.5	96.4	96.8	98.0	98.5	98.5	99.2	99.2	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4136

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL																
GE 20000																
GE 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	40.2	42.3	46.4	49.0	50.5	50.5	51.5	51.5	52.1	52.1	52.6	52.6	53.1	53.1	53.6	54.1
GE 20000	43.3	45.4	50.0	53.6	55.7	55.7	56.7	56.7	57.2	57.2	57.7	57.7	58.2	58.2	58.8	59.3
GE 18000	43.3	45.4	50.0	53.6	55.7	55.7	56.7	56.7	57.2	57.2	57.7	57.7	58.2	58.2	58.8	59.3
GE 16000	43.3	45.4	50.0	53.6	55.7	55.7	56.7	56.7	57.2	57.2	57.7	57.7	58.2	58.2	58.8	59.3
GE 14000	43.3	45.4	50.0	53.6	55.7	55.7	56.7	56.7	57.2	57.2	57.7	57.7	58.2	58.2	58.8	59.3
GE 12000	44.8	47.9	52.6	56.2	58.8	58.8	59.8	59.8	60.3	60.3	60.8	60.8	61.3	61.3	61.9	62.4
GE 10000	46.9	50.0	54.6	58.8	61.3	61.3	62.4	62.4	62.9	62.9	63.4	63.4	63.9	63 9	64.4	64.9
GE 9000	47.4	51.0	55.7	59.8	62.4	62.4	63.4	63.4	63.9	63.9	64.4	64.4	64.9	64.9	65.5	66.0
GE 8000	48.5	52.1	57.7	61.9	64.9	64.9	66.0	66.5	67.0	67.0	67.5	67.5	68.6	68.6	69.1	69.6
GE 7000	49.0	52.6	58.2	62.4	65.5	65.5	66.5	67.0	67.5	67.5	68.0	68.0	69.1	69.1	69.6	70.1
GE 6000	49.5	53.1	58.8	62.9	66.0	66.0	67.0	67.5	68.0	68.0	68.6	68.6	69.6	69.6	70.1	70.6
GE 5000	51.0	54.6	60.8	64.9	68.0	68.0	69.6	70.1	70.6	70.6	71.1	71.1	72.2	72.2	72.7	73.2
GE 4500	51.0	54.6	60.8	64.9	68.0	68.0	69.6	70.1	70.6	71.1	71.6	71.6	72.7	72.7	73.2	73.7
GE 4000	52.1	56.2	62.4	66.5	69.6	70.1	72.2	73.2	73.7	74.2	74.7	74.7	75.8	75.8	76.8	77.3
GE 3500	54.1	58.2	64.4	68.6	71.6	72.2	74.2	75.3	75.8	76.3	76.8	76.8	77.8	77.8	78.9	79.4
GE 3000	54.6	58.8	64.9	69.6	72.7	73.2	75.8	76.8	77.3	77.8	78.4	78.4	79.4	79.4	80.4	80.9
GE 2500	54.6	58.8	64.9	70.1	73.2	73.7	76.3	77.3	77.8	78.4	78.9	78.9	79.9	79.9	80.9	81.4
GE 2000	54.6	58.8	64.9	70.1	73.7	74.2	77.3	78.4	78.9	79.4	79.9	79.9	80.9	80.9	82.0	82.5
GE 1800	54.6	58.8	64.9	70.1	73.7	74.2	77.3	78.4	78.9	79.4	79.9	79.9	80.9	80.9	82.0	82.5
GE 1500	54.6	58.8	64.9	70.6	75.3	75.8	79.4	80.4	80.9	81.4	82.0	82.0	83.0	83.0	84.0	84.5
GE 1200	54.6	58.8	65.5	71.1	75.8	76.3	79.9	80.9	81.4	82.0	82.5	82.5	83.5	83.5	84.5	85.1
GE 1000	55.2	59.3	66.5	72.2	77.3	77.8	81.4	82.5	83.0	83.5	84.0	84.0	85.1	85.1	86.1	86.6
GE 900	55.2	59.3	66.5	72.7	77.8	78.4	82.0	83.0	83.5	84.0	84.5	84.5	86.1	86.1	87.1	87.6
GE 800	55.2	59.3	66.5	72.7	77.8	78.4	82.5	83.5	84.0	84.5	85.1	85.1	86.6	86.6	87.6	88.1
GE 700	55.2	59.3	66.5	72.7	77.8	78.4	82.5	83.5	84.0	84.5	85.1	85.1	86.6	86.6	87.6	88.1
GE 600	55.2	59.3	66.5	72.7	77.8	78.4	82.5	84.0	84.5	85.1	85.6	85.6	87.1	87.1	88.1	88.7
GE 500	55.2	59.3	66.5	72.7	77.8	78.4	82.5	84.5	85.1	86.1	87.1	87.1	88.7	88.7	89.7	90.2
GE 400	55.2	59.3	67.0	73.2	78.9	79.4	84.5	86.6	87.1	88.7	90.2	90.2	92.8	92.8	93.8	94.3
GE 300	55.2	59.3	67.0	73.2	78.9	79.4	84.5	87.1	87.6	89.2	91.2	91.2	94.3	94.3	95.4	95.9
GE 200	55.2	59.3	67.0	73.2	78.9	79.4	84.5	87.1	87.6	90.7	92.8	92.8	96.4	96.4	97.4	97.9
GE 100	55.2	59.3	67.0	73.2	78.9	79.4	84.5	87.6	88.1	91.2	93.8	93.8	97.4	97.4	98.5	99.5
GE 000	55.2	59.3	67.0	73.2	78.9	79.4	84.5	87.6	88.1	91.2	93.8	93.8	97.4	97.4	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 194

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.0	49.1	52.2	52.7	54.1	54.2	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.9
GE 20000	49.0	51.3	54.8	55.9	57.4	57.6	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
GE 18000	49.6	51.9	55.4	56.5	58.4	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5
GE 16000	49.6	51.9	55.4	56.5	58.4	58.7	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5
GE 14000	50.2	52.5	56.1	57.3	59.3	59.5	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.3
GE 12000	51.3	53.9	57.5	58.7	60.8	61.0	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.8
GE 10000	53.3	56.3	60.0	61.2	63.6	63.8	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.6
GE 9000	54.4	57.4	61.0	62.3	64.6	64.8	65.4	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.7
GE 8000	57.0	60.1	63.9	65.3	68.0	68.3	69.2	69.5	69.5	70.0	70.0	70.0	70.0	70.0	70.0	70.1
GE 7000	57.2	60.4	64.7	66.1	68.8	69.2	70.0	70.3	70.3	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 6000	57.7	61.0	65.3	66.8	69.5	69.8	70.8	71.1	71.1	71.6	71.6	71.6	71.6	71.6	71.6	71.7
GE 5000	58.7	61.9	66.7	68.8	71.6	71.9	73.2	73.6	73.6	74.3	74.3	74.3	74.3	74.3	74.3	74.4
GE 4500	59.0	62.3	67.2	69.4	72.2	72.5	73.8	74.2	74.2	74.9	74.9	74.9	74.9	74.9	74.9	75.0
GE 4000	59.7	63.1	68.3	70.8	73.9	74.3	75.6	76.0	76.0	76.8	76.8	76.8	76.8	76.8	77.1	77.2
GE 3500	60.5	63.9	69.3	71.8	75.1	75.4	76.7	77.3	77.3	78.2	78.2	78.2	78.3	78.3	78.6	78.7
GE 3000	60.8	64.3	70.0	72.6	76.0	76.4	77.6	78.2	78.2	79.2	79.2	79.2	79.3	79.3	79.5	79.6
GE 2500	61.1	64.8	70.5	73.5	76.9	77.3	78.7	79.3	79.3	80.2	80.2	80.2	80.3	80.3	80.6	80.7
GE 2000	61.4	65.2	70.9	73.8	77.4	77.9	79.3	80.0	80.0	80.9	80.9	80.9	81.0	81.0	81.3	81.4
GE 1800	61.4	65.2	71.0	73.9	77.5	78.0	79.4	80.1	80.1	81.0	81.0	81.0	81.1	81.1	81.4	81.5
GE 1500	61.6	65.5	71.4	74.4	78.0	78.5	79.9	80.6	80.7	81.7	81.7	81.7	81.8	81.8	82.1	82.2
GE 1200	61.8	65.8	71.8	75.0	78.7	79.3	80.7	81.4	81.5	82.5	82.5	82.5	82.7	82.7	82.9	83.0
GE 1000	62.3	66.5	72.9	76.6	80.7	81.4	82.9	83.6	83.7	84.7	84.7	84.7	85.0	85.0	85.2	85.3
GE 900	62.6	66.8	73.5	77.4	81.5	82.2	83.7	84.4	84.5	85.6	85.6	85.6	86.0	86.0	86.3	86.4
GE 800	62.7	66.9	73.7	77.8	81.8	82.7	84.4	85.2	85.4	86.7	86.7	86.7	87.2	87.2	87.4	87.5
GE 700	62.7	66.9	73.8	77.9	82.1	82.9	85.0	85.9	86.1	87.4	87.4	87.4	87.9	87.9	88.1	88.2
GE 600	62.7	67.1	74.4	78.6	83.5	84.3	86.7	87.8	88.2	89.8	89.8	89.8	90.3	90.3	90.6	90.7
GE 500	62.7	67.1	74.5	78.8	84.2	85.1	88.6	90.0	90.6	92.7	92.7	92.7	93.5	93.5	93.9	94.1
GE 400	62.7	67.1	74.5	78.8	84.4	85.6	89.4	90.9	91.7	94.3	94.5	94.5	95.5	95.5	95.9	96.0
GE 300	62.7	67.1	74.5	78.8	84.4	85.6	89.5	92.0	92.9	95.7	96.2	96.2	97.2	97.2	98.1	98.3
GE 200	62.7	67.1	74.5	78.8	84.6	85.8	89.8	92.4	93.4	96.6	97.2	97.2	98.5	98.5	99.8	100.0
GE 100	62.7	67.1	74.5	78.8	84.6	85.8	89.8	92.4	93.4	96.6	97.2	97.2	98.5	98.5	99.8	100.0
GE 000	62.7	67.1	74.5	78.8	84.6	85.8	89.8	92.4	93.4	96.6	97.2	97.2	98.5	98.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 859

D - 2 - 46

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.6	50.0	51.6	52.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
GE 20000	52.4	54.1	55.9	56.6	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 18000	53.2	54.9	56.7	57.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 16000	53.2	54.9	56.7	57.4	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
GE 14000	54.1	55.8	57.6	58.3	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
GE 12000	55.1	56.8	58.7	59.4	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
GE 10000	57.0	59.0	60.8	61.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 9000	57.2	59.2	61.1	61.9	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 8000	61.0	63.4	65.9	67.0	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 7000	61.8	64.6	67.1	68.5	69.9	69.9	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 6000	62.2	65.1	67.7	69.2	70.7	70.7	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 5000	62.4	65.3	68.2	69.6	71.5	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 4500	62.8	65.6	68.6	70.1	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 4000	64.3	67.2	70.8	72.4	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3500	65.3	68.5	72.0	73.7	76.4	76.4	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7
GE 3000	66.7	70.3	74.2	75.9	79.0	79.0	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
GE 2500	67.4	71.1	75.1	76.8	79.9	79.9	80.1	80.1	80.1	80.3	80.3	80.3	80.3	80.3	80.3	80.3
GE 2000	67.5	71.5	75.6	77.5	80.9	80.9	81.2	81.2	81.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1800	67.6	71.6	75.8	77.7	81.2	81.2	81.4	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 1500	68.7	72.8	77.2	79.3	83.0	83.0	83.3	83.3	83.3	83.6	83.7	83.7	83.7	83.7	83.7	83.7
GE 1200	69.3	73.6	78.5	81.4	85.2	85.4	86.0	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.3	86.3
GE 1000	69.5	74.0	79.1	82.2	86.3	86.6	87.6	87.7	87.7	87.9	88.0	88.0	88.0	88.0	88.0	88.0
GE 900	69.6	74.1	79.6	82.8	86.9	87.3	88.8	88.9	88.9	89.3	89.4	89.4	89.5	89.5	89.5	89.5
GE 800	69.7	74.3	80.4	83.7	87.9	88.4	89.8	90.2	90.2	90.6	90.9	90.9	91.1	91.1	91.1	91.1
GE 700	69.9	74.4	80.7	84.2	89.0	89.8	91.4	92.0	92.0	92.6	92.8	92.8	93.0	93.0	93.0	93.0
GE 600	69.9	74.4	80.9	84.6	90.1	91.4	93.5	94.2	94.2	94.7	95.0	95.0	95.2	95.2	95.2	95.2
GE 500	69.9	74.4	80.9	84.6	90.2	91.9	94.2	95.7	95.8	96.7	96.9	97.1	97.6	97.6	97.7	97.7
GE 400	69.9	74.4	80.9	84.6	90.8	92.7	95.1	97.1	97.3	98.2	98.4	98.6	99.1	99.1	99.2	99.2
GE 300	69.9	74.4	80.9	84.6	90.8	92.7	95.1	97.4	97.5	98.5	99.0	99.2	99.8	99.8	99.9	99.9
GE 200	69.9	74.4	80.9	84.6	90.8	92.7	95.1	97.4	97.5	98.5	99.0	99.2	99.8	99.8	99.9	99.9
GE 100	69.9	74.4	80.9	84.6	90.8	92.7	95.1	97.4	97.5	98.5	99.0	99.2	99.9	99.9	100.0	100.0
GE 000	69.9	74.4	80.9	84.6	90.8	92.7	95.1	97.4	97.5	98.5	99.0	99.2	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.6	43.9	45.3	46.0	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
GE 20000	50.2	51.7	53.3	54.0	54.5	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
GE 18000	50.7	52.2	53.8	54.5	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 16000	50.7	52.2	53.8	54.5	55.1	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
GE 14000	51.4	52.9	54.6	55.3	55.9	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
GE 12000	51.9	53.5	55.3	55.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 10000	53.3	55.0	56.9	57.7	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
GE 9000	53.9	55.6	57.4	58.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
GE 8000	57.6	59.5	62.0	63.2	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
GE 7000	58.8	60.9	63.4	64.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
GE 6000	58.9	61.0	63.5	65.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 5000	60.3	62.4	65.0	66.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 4500	61.6	63.7	66.6	68.4	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 4000	65.1	67.8	70.9	73.2	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
GE 3500	67.0	69.8	73.2	75.7	77.3	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 3000	70.0	72.9	77.0	80.0	81.6	81.7	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 2500	71.4	74.4	78.6	81.7	83.3	83.4	83.6	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	72.0	74.9	79.5	82.6	84.2	84.3	84.7	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	72.2	75.3	80.1	83.2	84.8	84.9	85.2	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
GE 1500	72.8	76.1	81.0	84.3	85.9	86.0	86.5	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
GE 1200	73.6	76.9	82.3	86.0	87.8	87.9	88.3	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 1000	74.3	77.7	83.3	87.2	88.9	89.1	89.7	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.5
GE 900	74.6	78.1	84.6	88.7	90.7	91.1	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.9
GE 800	74.7	78.3	84.9	89.0	91.2	91.8	92.7	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.7
GE 700	75.2	78.8	85.6	89.8	92.2	93.4	94.4	95.2	95.3	95.3	95.5	95.5	95.8	95.8	95.8	95.9
GE 600	75.2	78.9	85.9	90.5	93.0	94.2	95.2	96.0	96.1	96.3	96.6	96.7	97.0	97.0	97.0	97.1
GE 500	75.2	78.9	85.9	90.6	93.2	94.5	95.7	96.8	96.9	97.3	97.5	97.6	98.2	98.2	98.2	98.3
GE 400	75.2	78.9	86.2	90.8	94.1	95.3	96.7	97.9	98.1	98.4	98.6	98.7	99.4	99.4	99.4	99.5
GE 300	75.2	78.9	86.4	91.1	94.3	95.5	96.9	98.2	98.4	98.9	99.1	99.2	99.9	99.9	99.9	100.0
GE 200	75.2	78.9	86.4	91.1	94.3	95.5	96.9	98.2	98.4	98.9	99.1	99.2	99.9	99.9	99.9	100.0
GE 100	75.2	78.9	86.4	91.1	94.3	95.5	96.9	98.2	98.4	98.9	99.1	99.2	99.9	99.9	99.9	100.0
GE 000	75.2	78.9	86.4	91.1	94.3	95.5	96.9	98.2	98.4	98.9	99.1	99.2	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 874

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.8	44.6	46.3	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
GE 20000	53.3	55.5	57.6	59.0	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 18000	53.9	56.1	58.2	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 16000	53.9	56.1	58.2	59.6	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 14000	53.9	56.2	58.3	59.8	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 12000	55.3	57.7	59.8	61.3	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 10000	57.7	60.5	62.8	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 9000	58.9	61.9	64.2	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 8000	62.4	65.9	68.6	70.2	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
GE 7000	63.3	66.8	69.5	71.3	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 6000	63.5	67.0	69.7	71.5	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 5000	65.1	68.6	71.3	73.1	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 4500	65.5	69.1	72.0	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 4000	68.5	72.5	75.6	77.8	78.4	78.5	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 3500	69.7	73.7	77.1	79.4	80.5	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3000	70.9	75.0	78.8	81.2	82.3	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 2500	72.0	76.5	80.4	82.8	83.9	84.1	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
GE 2000	72.6	77.1	81.1	83.5	84.6	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1800	72.8	77.3	81.3	83.8	84.8	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
GE 1500	74.2	78.7	83.9	86.4	87.8	88.0	88.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 1200	75.4	79.9	85.6	88.2	89.7	89.9	90.2	90.7	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9
GE 1000	75.4	79.9	85.8	88.6	90.5	90.8	91.3	91.8	91.8	92.0	92.1	92.1	92.1	92.1	92.1	92.1
GE 900	75.4	79.9	86.2	89.0	91.5	91.9	92.7	93.2	93.5	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 800	75.4	80.2	86.5	89.7	92.5	92.8	93.9	94.4	94.7	94.9	95.0	95.0	95.0	95.0	95.0	95.0
GE 700	75.5	80.4	86.7	89.8	92.7	93.5	94.5	95.0	95.3	95.5	95.6	95.6	95.6	95.6	95.6	95.6
GE 600	75.5	80.4	86.9	90.1	93.2	93.9	95.4	96.2	96.6	96.8	97.0	97.1	97.3	97.3	97.3	97.3
GE 500	75.5	80.4	86.9	90.2	93.6	94.3	96.7	97.6	97.9	98.2	98.3	98.4	98.7	98.7	98.7	98.7
GE 400	75.5	80.4	87.0	90.5	93.9	94.7	97.2	98.1	98.4	98.7	99.0	99.2	99.4	99.5	99.5	99.5
GE 300	75.5	80.4	87.0	90.5	93.9	94.7	97.2	98.1	98.4	98.9	99.4	99.5	99.8	99.9	99.9	100.0
GE 200	75.5	80.4	87.0	90.5	93.9	94.7	97.2	98.1	98.4	98.9	99.4	99.5	99.8	99.9	99.9	100.0
GE 100	75.5	80.4	87.0	90.5	93.9	94.7	97.2	98.1	98.4	98.9	99.4	99.5	99.8	99.9	99.9	100.0
GE 000	75.5	80.4	87.0	90.5	93.9	94.7	97.2	98.1	98.4	98.9	99.4	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 825

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.9	49.2	50.8	51.6	52.3	52.5	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
GE 20000	57.0	58.5	60.3	61.8	62.5	62.7	63.1	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 18000	57.6	59.0	60.9	62.3	63.1	63.3	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 16000	58.1	59.6	61.4	62.9	63.6	63.8	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 14000	58.1	59.6	61.4	62.9	63.6	63.8	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 12000	60.5	62.0	64.0	65.4	66.4	66.5	66.9	66.9	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 10000	64.0	65.4	67.6	69.1	70.2	70.4	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 9000	64.4	66.0	68.2	69.7	70.7	70.9	71.3	71.3	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5
GE 8000	68.4	70.0	72.2	73.9	75.0	75.1	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 7000	68.7	70.6	72.8	74.4	75.5	75.7	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2
GE 6000	68.9	70.7	72.9	74.6	75.7	75.9	76.2	76.2	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 5000	70.2	72.2	74.4	76.2	77.3	77.5	77.9	77.9	77.9	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 4500	71.3	73.3	75.7	77.5	78.8	79.0	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4000	73.5	75.9	78.4	80.6	81.9	82.1	82.4	82.4	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8
GE 3500	75.1	77.7	80.6	82.8	84.6	84.8	85.2	85.2	85.2	85.6	85.6	85.6	85.6	85.6	85.6	85.6
GE 3000	76.1	78.8	82.4	84.6	86.7	86.8	87.2	87.4	87.4	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 2500	76.4	79.2	83.0	85.2	87.2	87.4	87.9	88.1	88.1	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 2000	77.3	80.4	84.6	87.0	89.4	89.6	90.3	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1800	77.3	80.4	84.6	87.0	89.4	89.6	90.3	90.9	90.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
GE 1500	77.5	81.0	86.1	88.7	91.0	91.2	92.0	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 1200	77.5	81.0	86.3	89.0	92.3	92.5	93.2	93.8	93.8	94.3	94.3	94.3	94.3	94.3	94.3	94.3
GE 1000	78.2	81.7	87.0	89.8	93.2	93.4	94.1	94.7	94.7	95.2	95.2	95.2	95.2	95.2	95.2	95.2
GE 900	78.2	81.7	87.0	89.8	93.6	93.8	94.5	95.1	95.1	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	78.2	81.7	87.2	89.9	94.1	94.3	95.1	95.6	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3
GE 700	78.2	81.7	87.2	89.9	94.3	94.5	95.2	95.8	96.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 600	78.2	81.7	87.4	90.1	94.9	95.1	96.0	96.5	96.7	97.6	97.6	97.6	97.8	97.8	97.8	97.8
GE 500	78.2	81.7	87.4	90.3	95.4	95.6	97.1	98.0	98.2	99.1	99.1	99.1	99.3	99.3	99.3	99.3
GE 400	78.2	81.7	87.6	90.5	95.6	96.0	97.4	98.4	98.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6
GE 300	78.2	81.7	87.6	90.5	95.6	96.0	97.4	98.4	98.5	99.5	99.5	99.5	99.8	99.8	99.8	99.8
GE 200	78.2	81.7	87.6	90.5	95.6	96.0	97.4	98.5	98.7	99.6	99.6	99.6	100.0	100.0	100.0	100.0
GE 100	78.2	81.7	87.6	90.5	95.6	96.0	97.4	98.5	98.7	99.6	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	78.2	81.7	87.6	90.5	95.6	96.0	97.4	98.5	98.7	99.6	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 547

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	68.6	68.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 20000	72.5	72.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 18000	72.5	72.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 16000	72.5	72.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 14000	72.5	72.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 12000	76.5	76.5	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 10000	76.5	76.5	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 9000	76.5	76.5	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
GE 8000	80.4	80.4	84.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 7000	80.4	80.4	84.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 6000	80.4	80.4	84.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 5000	80.4	80.4	84.3	84.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 4500	82.4	82.4	86.3	86.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 4000	82.4	82.4	88.2	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3500	82.4	82.4	88.2	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 3000	82.4	82.4	88.2	88.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 2500	82.4	82.4	88.2	88.2	90.2	90.2	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	82.4	82.4	88.2	88.2	90.2	90.2	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1800	82.4	82.4	88.2	88.2	90.2	90.2	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1500	82.4	82.4	88.2	88.2	90.2	90.2	92.2	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
GE 1200	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 1000	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 900	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 800	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 700	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 600	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 400	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 300	82.4	82.4	88.2	90.2	92.2	92.2	96.1	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 200	82.4	82.4	88.2	90.2	92.2	92.2	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.4	82.4	88.2	90.2	92.2	92.2	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.4	82.4	88.2	90.2	92.2	92.2	96.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 51

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUN HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.7	47.3	49.3	50.2	50.9	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.3
GE 20000	51.9	53.7	56.0	57.2	58.0	58.1	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.5	58.5
GE 18000	52.4	54.3	56.6	57.7	58.8	58.9	59.1	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.3
GE 16000	52.5	54.4	56.7	57.8	58.9	59.0	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.4
GE 14000	53.0	54.8	57.2	58.4	59.4	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.9	59.9
GE 12000	54.2	56.2	58.6	59.8	61.0	61.1	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.5
GE 10000	56.3	58.6	61.1	62.3	63.6	63.7	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1
GE 9000	57.0	59.4	61.8	63.1	64.3	64.4	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
GE 8000	60.4	63.0	65.9	67.4	68.8	68.9	69.2	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.5	69.6
GE 7000	61.1	63.8	66.9	68.5	69.9	70.0	70.3	70.4	70.5	70.6	70.6	70.6	70.6	70.6	70.7	70.7
GE 6000	61.4	64.2	67.2	68.9	70.4	70.5	70.9	70.9	71.0	71.1	71.1	71.1	71.2	71.2	71.2	71.2
GE 5000	62.5	65.2	68.5	70.4	72.0	72.1	72.5	72.6	72.6	72.8	72.8	72.8	72.8	72.8	72.9	72.9
GE 4500	63.1	65.9	69.3	71.3	72.9	73.0	73.4	73.5	73.6	73.7	73.8	73.8	73.8	73.8	73.8	73.9
GE 4000	65.2	68.3	72.1	74.3	76.2	76.4	76.9	77.0	77.1	77.3	77.3	77.3	77.4	77.4	77.5	77.5
GE 3500	66.5	69.7	73.7	76.0	78.1	78.3	78.8	79.0	79.0	79.3	79.3	79.3	79.4	79.4	79.5	79.5
GE 3000	67.8	71.3	75.6	78.1	80.4	80.6	81.1	81.3	81.4	81.6	81.7	81.7	81.7	81.7	81.8	81.9
GE 2500	68.6	72.2	76.7	79.2	81.5	81.7	82.3	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.1	83.1
GE 2000	69.0	72.7	77.4	80.0	82.5	82.7	83.4	83.7	83.7	84.1	84.1	84.1	84.1	84.1	84.2	84.3
GE 1800	69.2	72.9	77.6	80.2	82.7	82.9	83.6	83.9	84.0	84.3	84.3	84.3	84.4	84.4	84.5	84.5
GE 1500	69.8	73.7	78.8	81.7	84.3	84.5	85.2	85.6	85.7	86.0	86.1	86.1	86.1	86.1	86.2	86.3
GE 1200	70.4	74.3	79.8	83.0	85.9	86.1	87.0	87.5	87.5	87.9	88.0	88.0	88.1	88.1	88.1	88.2
GE 1000	70.8	74.8	80.6	84.0	87.1	87.4	88.5	89.0	89.0	89.4	89.5	89.5	89.6	89.6	89.7	89.8
GE 900	71.0	75.0	81.1	84.6	88.0	88.4	89.7	90.3	90.4	90.8	90.9	90.9	91.1	91.1	91.2	91.2
GE 800	71.0	75.2	81.5	85.1	88.6	89.1	90.5	91.2	91.3	91.8	91.9	91.9	92.1	92.1	92.2	92.3
GE 700	71.2	75.3	81.8	85.5	89.2	90.0	91.5	92.2	92.4	92.9	93.0	93.0	93.3	93.3	93.4	93.4
GE 600	71.2	75.4	82.1	85.9	90.0	90.9	92.7	93.5	93.8	94.4	94.6	94.6	95.0	95.0	95.1	95.2
GE 500	71.2	75.4	82.1	86.0	90.4	91.4	93.7	94.9	95.2	96.1	96.3	96.4	96.9	96.9	97.1	97.1
GE 400	71.2	75.4	82.2	86.2	90.9	92.0	94.5	95.9	96.2	97.3	97.5	97.6	98.2	98.3	98.4	98.5
GE 300	71.2	75.4	82.3	86.2	90.9	92.0	94.6	96.2	96.6	97.8	98.2	98.3	99.0	99.0	99.3	99.4
GE 200	71.2	75.4	82.3	86.2	91.0	92.1	94.6	96.4	96.8	98.1	98.5	98.6	99.4	99.4	99.8	99.9
GE 100	71.2	75.4	82.3	86.2	91.0	92.1	94.6	96.4	96.8	98.1	98.6	98.7	99.5	99.5	99.8	100.0
GE 000	71.2	75.4	82.3	86.2	91.0	92.1	94.6	96.4	96.8	98.1	98.6	98.7	99.5	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 4227

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	37.9	40.5	46.3	48.4	53.2	53.7	55.3	56.3	56.3	57.4	57.4	57.4	58.4	58.4	58.9	58.9
GE 20000	39.5	42.6	50.0	52.6	57.4	57.9	59.5	60.5	60.5	61.6	61.6	61.6	62.6	62.6	63.2	63.2
GE 18000	40.0	43.2	50.5	53.2	58.4	58.9	60.5	61.6	61.6	62.6	62.6	62.6	63.7	63.7	64.2	64.2
GE 16000	40.0	43.2	50.5	53.2	58.4	58.9	60.5	61.6	61.6	62.6	62.6	62.6	63.7	63.7	64.2	64.2
GE 14000	40.5	43.7	51.1	53.7	58.9	59.5	61.1	62.1	62.1	63.2	63.2	63.2	64.2	64.2	64.7	64.7
GE 12000	42.6	45.8	53.2	55.8	61.1	61.6	63.2	64.2	64.2	65.3	65.3	65.3	66.3	66.3	66.8	66.8
GE 10000	44.2	47.4	55.8	58.4	63.7	64.2	66.3	67.4	67.4	68.4	68.4	68.4	69.5	69.5	70.0	70.0
GE 9000	44.7	47.9	56.3	58.9	64.7	65.3	67.4	68.4	68.4	69.5	69.5	69.5	70.5	70.5	71.1	71.1
GE 8000	45.8	48.9	58.4	61.1	67.9	68.9	71.1	72.6	72.6	73.7	73.7	73.7	74.7	74.7	75.8	75.8
GE 7000	46.8	50.5	60.0	62.6	69.5	70.5	72.6	74.2	74.2	75.3	75.3	75.3	76.3	76.3	77.4	77.4
GE 6000	47.4	51.1	60.5	63.2	70.0	71.1	73.2	74.7	74.7	75.8	75.8	75.8	76.8	76.8	77.9	77.9
GE 5000	47.4	51.1	61.6	64.2	71.1	72.1	74.2	76.3	76.3	77.4	77.4	77.4	78.4	78.4	79.5	79.5
GE 4500	47.9	51.6	62.6	65.3	72.1	73.2	75.3	77.4	77.4	78.4	78.4	78.4	79.5	79.5	80.5	80.5
GE 4000	48.4	52.1	63.2	65.8	73.2	74.2	76.3	78.9	78.9	80.0	80.0	80.0	81.1	81.1	82.1	82.1
GE 3500	48.4	52.6	63.7	66.3	73.7	74.7	76.8	79.5	79.5	80.5	80.5	80.5	81.6	81.6	82.6	82.6
GE 3000	48.9	53.2	64.2	66.8	74.2	75.3	77.4	80.0	80.0	81.1	81.1	81.1	82.1	82.1	83.2	83.2
GE 2500	49.5	53.7	64.7	67.4	74.7	75.8	77.9	80.5	80.5	81.6	81.6	81.6	82.6	82.6	83.7	83.7
GE 2000	49.5	54.2	65.3	68.4	75.8	76.8	78.9	81.6	81.6	82.6	82.6	82.6	83.7	83.7	84.7	84.7
GE 1800	49.5	54.2	65.3	68.4	75.8	76.8	78.9	81.6	81.6	82.6	82.6	82.6	83.7	83.7	84.7	84.7
GE 1500	50.5	55.3	66.3	70.0	78.4	79.5	81.6	84.2	84.2	86.8	86.8	86.8	87.9	87.9	88.9	88.9
GE 1200	51.1	55.8	66.8	70.5	78.9	80.0	82.1	84.7	84.7	87.4	87.4	87.4	88.4	88.4	89.5	89.5
GE 1000	51.1	55.8	67.4	71.6	80.0	81.1	83.2	86.3	86.3	88.9	88.9	88.9	90.0	90.0	91.1	91.1
GE 900	51.1	56.3	67.9	72.1	80.5	81.6	83.7	86.8	86.8	89.5	89.5	89.5	90.5	90.5	91.6	91.6
GE 800	51.1	56.3	67.9	72.1	80.5	81.6	84.7	87.9	87.9	90.5	90.5	90.5	91.6	91.6	92.6	92.6
GE 700	51.1	56.3	67.9	72.1	80.5	81.6	84.7	87.9	87.9	90.5	90.5	90.5	91.6	91.6	92.6	92.6
GE 600	51.1	56.3	67.9	72.1	80.5	81.6	85.3	88.9	88.9	91.6	92.1	92.1	93.2	93.2	94.2	94.2
GE 500	51.1	56.3	67.9	72.1	80.5	81.6	85.3	89.5	89.5	92.1	92.6	92.6	93.7	93.7	95.3	95.3
GE 400	51.1	56.3	67.9	72.1	80.5	81.6	85.3	90.0	90.0	92.6	93.2	93.2	94.2	94.2	96.3	96.8
GE 300	51.1	56.3	67.9	72.1	80.5	81.6	85.3	90.0	90.0	92.6	93.7	93.7	95.3	95.3	97.4	97.9
GE 200	51.1	56.3	67.9	72.1	80.5	81.6	85.3	90.5	90.5	93.2	94.2	94.2	95.8	95.8	97.9	98.9
GE 100	51.1	56.3	67.9	72.1	80.5	81.6	85.3	90.5	90.5	93.2	94.2	94.2	95.8	95.8	98.4	100.0
GE 000	51.1	56.3	67.9	72.1	80.5	81.6	85.3	90.5	90.5	93.2	94.2	94.2	95.8	95.8	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS 190

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.5	41.1	45.4	47.8	50.8	51.2	52.6	53.1	53.1	53.4	53.8	53.8	54.0	54.0	54.0	54.0
GE 20000	43.1	45.0	50.0	52.6	55.9	56.3	57.8	58.3	58.3	58.6	59.0	59.0	59.2	59.2	59.2	59.2
GE 18000	43.9	45.7	50.7	53.3	56.6	57.0	58.5	59.0	59.0	59.3	59.7	59.7	59.9	59.9	59.9	59.9
GE 16000	43.9	45.7	50.7	53.3	56.6	57.0	58.5	59.0	59.0	59.3	59.7	59.7	59.9	59.9	59.9	59.9
GE 14000	44.1	46.1	51.1	53.8	57.1	57.4	59.0	59.5	59.5	59.8	60.2	60.2	60.4	60.4	60.4	60.4
GE 12000	47.2	49.6	55.1	57.8	61.1	61.5	63.1	63.6	63.6	63.9	64.3	64.3	64.5	64.5	64.5	64.5
GE 10000	48.9	52.1	58.4	61.7	65.1	65.8	67.5	68.3	68.3	68.7	69.0	69.0	69.3	69.3	69.3	69.3
GE 9000	49.2	52.4	58.6	61.9	65.4	66.1	67.7	68.6	68.6	68.9	69.3	69.3	69.5	69.5	69.5	69.5
GE 8000	52.1	55.6	62.3	66.0	69.9	70.6	72.3	73.5	73.5	74.0	74.3	74.3	74.6	74.6	74.7	74.7
GE 7000	52.6	56.1	63.1	66.8	70.7	71.4	73.2	74.3	74.3	74.8	75.2	75.2	75.4	75.4	75.5	75.5
GE 6000	53.1	56.7	63.9	67.6	71.5	72.2	74.0	75.2	75.2	75.7	76.0	76.0	76.2	76.2	76.4	76.4
GE 5000	54.3	58.0	65.8	69.9	74.2	74.9	77.1	78.4	78.4	78.8	79.2	79.2	79.4	79.4	79.6	79.6
GE 4500	54.8	58.6	66.5	70.7	75.3	76.0	78.1	79.4	79.4	79.9	80.3	80.3	80.5	80.5	80.6	80.6
GE 4000	55.7	59.7	67.8	72.0	76.8	77.5	79.9	81.3	81.3	81.9	82.3	82.3	82.5	82.5	82.6	82.6
GE 3500	55.7	59.7	68.1	72.2	77.1	77.8	80.1	81.7	81.7	82.3	82.6	82.6	83.0	83.0	83.1	83.1
GE 3000	56.4	60.4	69.1	73.4	78.3	79.0	81.3	82.9	82.9	83.5	83.8	83.8	84.2	84.2	84.5	84.5
GE 2500	56.4	60.4	69.3	73.6	78.5	79.2	81.6	83.1	83.1	83.7	84.0	84.0	84.4	84.4	84.8	84.8
GE 2000	56.7	60.8	69.6	74.1	79.2	79.9	82.4	83.9	83.9	84.5	85.0	85.0	85.3	85.3	85.7	85.7
GE 1800	56.9	61.2	70.1	74.6	79.7	80.4	83.0	84.5	84.5	85.1	85.6	85.6	85.9	85.9	86.3	86.3
GE 1500	57.8	62.3	71.2	75.8	81.7	82.4	85.3	87.2	87.2	88.3	88.8	88.8	89.1	89.1	89.5	89.5
GE 1200	58.0	62.5	71.7	76.4	82.3	83.0	86.1	87.9	87.9	89.0	89.5	89.5	89.8	89.8	90.2	90.2
GE 1000	58.4	62.9	72.3	77.2	83.2	84.0	87.1	89.4	89.4	90.4	90.9	90.9	91.4	91.4	91.7	91.7
GE 900	58.4	62.9	72.3	77.3	83.3	84.2	87.2	89.5	89.5	90.5	91.0	91.0	91.5	91.5	91.8	91.8
GE 800	58.4	62.9	72.3	77.3	83.6	84.5	87.8	90.2	90.2	91.3	91.7	91.7	92.2	92.2	92.6	92.6
GE 700	58.4	62.9	72.5	77.4	83.9	85.2	88.9	91.4	91.4	92.7	93.1	93.1	93.6	93.6	94.0	94.0
GE 600	58.4	62.9	72.5	77.4	84.3	85.6	89.5	92.2	92.2	93.7	94.4	94.4	95.0	95.0	95.4	95.4
GE 500	58.4	62.9	72.5	77.4	84.5	85.9	89.8	92.9	92.9	94.6	95.3	95.3	95.9	95.9	96.2	96.2
GE 400	58.5	63.0	72.6	77.5	84.8	86.2	90.1	93.3	93.4	95.0	95.7	95.7	96.3	96.3	97.3	97.3
GE 300	58.5	63.0	72.6	77.5	84.9	86.3	90.3	93.5	93.6	95.7	96.6	96.6	97.2	97.2	98.1	98.1
GE 200	58.5	63.0	72.6	77.5	84.9	86.3	90.4	93.6	94.1	96.6	97.6	97.6	98.3	98.3	99.5	99.6
GE 100	58.5	63.0	72.6	77.5	84.9	86.3	90.4	93.6	94.1	96.6	97.6	97.6	98.3	98.3	99.5	100.0
GE 000	58.5	63.0	72.6	77.5	84.9	86.3	90.4	93.6	94.1	96.6	97.6	97.6	98.3	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 846

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.9	45.5	49.6	51.6	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
GE 20000	49.2	52.4	57.4	59.6	59.9	59.9	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
GE 18000	49.6	52.7	57.7	59.9	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 16000	49.6	52.7	57.7	59.9	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
GE 14000	49.9	53.1	58.1	60.3	60.7	60.7	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 12000	52.3	55.5	60.5	62.8	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 10000	55.3	59.5	64.7	67.4	68.1	68.1	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 9000	55.4	59.6	64.9	67.6	68.3	68.3	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
GE 8000	57.5	62.4	68.8	71.5	72.7	72.8	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
GE 7000	58.1	63.2	69.9	72.7	73.9	74.0	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 6000	58.5	63.6	70.6	73.5	74.8	74.9	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 5000	59.7	64.8	72.0	75.0	76.4	76.5	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 4500	60.2	65.3	73.1	76.1	77.5	77.6	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
GE 4000	61.4	66.6	74.9	78.0	79.6	79.7	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
GE 3500	63.2	68.4	77.1	80.4	81.9	82.0	82.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
GE 3000	63.6	68.9	77.7	81.1	82.6	82.7	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
GE 2500	63.9	69.5	78.7	82.3	83.9	84.0	85.0	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 2000	64.3	69.9	79.3	83.2	85.4	85.5	86.5	86.9	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 1800	64.3	70.0	79.6	83.4	85.6	85.7	86.8	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
GE 1500	65.7	71.4	81.1	85.1	87.6	87.7	89.0	89.7	89.7	89.9	89.9	89.9	90.0	90.0	90.0	90.0
GE 1200	66.7	72.4	82.0	86.1	88.7	89.0	90.6	91.8	91.8	92.0	92.0	92.0	92.1	92.1	92.1	92.1
GE 1000	67.0	72.7	82.7	87.2	90.1	90.5	92.2	93.4	93.4	93.8	93.8	93.8	94.0	94.0	94.0	94.0
GE 900	67.0	72.7	82.8	87.3	90.4	90.7	92.6	93.7	93.7	94.2	94.2	94.2	94.3	94.3	94.3	94.3
GE 800	67.1	72.9	83.0	87.7	91.2	91.5	93.5	94.7	94.7	95.2	95.2	95.2	95.4	95.4	95.4	95.4
GE 700	67.2	73.1	83.3	88.0	91.8	92.2	94.2	95.5	95.5	96.2	96.2	96.2	96.3	96.3	96.3	96.3
GE 600	67.4	73.2	83.6	88.6	92.8	93.3	95.5	97.1	97.1	97.8	98.0	98.0	98.1	98.1	98.1	98.1
GE 500	67.4	73.2	83.6	88.6	92.9	93.7	95.9	97.9	97.9	98.7	99.2	99.2	99.3	99.3	99.3	99.3
GE 400	67.4	73.2	83.6	88.6	92.9	93.7	96.1	98.0	98.0	98.8	99.3	99.3	99.4	99.4	99.5	99.5
GE 300	67.4	73.2	83.6	88.6	92.9	93.7	96.2	98.5	98.5	99.3	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	67.4	73.2	83.6	88.6	92.9	93.7	96.2	98.5	98.5	99.3	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	67.4	73.2	83.6	88.6	92.9	93.7	96.2	98.5	98.5	99.3	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	67.4	73.2	83.6	88.6	92.9	93.7	96.2	98.5	98.5	99.3	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 861

D - 2 - 55

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.8	48.3	50.3	51.6	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	52.3	56.1	58.7	60.3	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
GE 18000	52.7	56.6	59.1	60.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 16000	52.7	56.6	59.1	60.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
GE 14000	53.3	57.2	59.8	61.5	62.6	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
GE 12000	56.5	60.7	64.0	65.8	67.2	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 10000	59.5	64.0	68.2	70.1	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
GE 9000	60.1	64.6	68.8	70.7	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 8000	61.4	66.2	71.2	73.7	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 7000	61.5	66.5	71.5	73.9	75.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000	61.7	66.8	71.8	74.3	75.9	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 5000	63.2	68.3	73.6	76.0	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 4500	63.4	68.7	73.9	76.4	78.6	78.7	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 4000	66.0	71.5	77.4	80.0	82.2	82.3	82.5	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3500	67.9	73.3	79.5	82.2	84.5	84.6	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
GE 3000	69.2	74.6	81.4	84.4	87.0	87.1	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 2500	69.2	74.6	82.2	85.3	88.1	88.2	88.6	88.8	88.8	8.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 2000	71.1	76.7	84.5	87.9	91.2	91.3	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 1800	71.2	76.8	84.6	88.0	91.5	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1500	72.5	78.1	86.1	89.6	93.1	93.2	93.7	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
GE 1200	72.6	78.2	86.3	89.9	93.5	93.6	94.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1000	72.6	78.2	86.4	90.0	93.9	94.4	95.5	96.4	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5
GE 900	72.6	78.2	86.4	90.2	94.4	94.9	95.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
GE 800	72.6	78.2	86.6	90.5	94.8	95.3	96.4	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	72.8	78.3	86.7	90.7	95.1	95.7	97.1	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	72.9	78.6	87.1	91.3	95.8	96.4	97.8	99.1	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5
GE 500	72.9	78.6	87.2	91.4	95.9	96.5	97.9	99.2	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7
GE 400	72.9	78.6	87.2	91.4	95.9	96.5	97.9	99.2	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	72.9	78.6	87.2	91.4	95.9	96.5	97.9	99.2	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	72.9	78.6	87.2	91.4	95.9	96.5	97.9	99.2	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	72.9	78.6	87.2	91.4	95.9	96.5	97.9	99.2	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	72.9	78.6	87.2	91.4	95.9	96.5	97.9	99.2	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 859

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.2	48.1	50.3	51.5	52.1	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 20000	51.5	56.0	59.8	62.1	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 18000	52.0	56.4	60.2	62.6	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
GE 16000	52.1	56.6	60.4	62.7	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 14000	52.3	56.7	60.5	62.8	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 12000	55.0	59.5	63.4	65.8	66.5	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
GE 10000	58.7	63.7	68.2	71.0	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 9000	59.4	64.4	69.1	71.9	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
GE 8000	61.2	66.5	72.0	75.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 7000	61.8	67.1	73.5	76.7	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 6000	62.3	67.9	74.4	77.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 5000	63.1	68.6	75.5	79.0	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
GE 4500	63.6	69.1	76.3	80.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 4000	65.4	71.0	78.5	82.5	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 3500	67.6	73.5	81.1	85.2	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 3000	69.2	75.5	83.3	87.9	90.2	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
GE 2500	69.7	76.0	84.2	89.1	91.4	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	71.4	77.8	86.3	91.2	94.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1800	71.4	77.8	86.3	91.2	94.0	94.1	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
GE 1500	71.9	78.3	86.9	91.8	95.1	95.2	95.7	95.8	95.8	96.1	96.2	96.2	96.2	96.2	96.2	96.2
GE 1200	71.9	78.3	87.0	91.9	95.2	95.3	95.8	96.0	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3
GE 1000	72.0	78.4	87.2	92.1	95.5	95.7	96.2	96.3	96.3	96.6	96.7	96.7	96.7	96.7	96.7	96.7
GE 900	72.0	78.5	87.4	92.3	95.7	96.0	96.4	96.8	96.8	97.1	97.2	97.2	97.2	97.2	97.2	97.2
GE 800	72.1	78.7	87.5	92.4	96.0	96.3	96.8	97.3	97.3	97.7	97.8	97.8	97.8	97.8	97.8	97.8
GE 700	72.1	78.7	87.5	92.4	96.2	96.6	97.1	97.8	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5
GE 600	72.5	79.0	87.9	92.8	96.7	97.3	97.8	98.5	98.5	99.0	99.3	99.3	99.3	99.3	99.3	99.3
GE 500	72.5	79.0	87.9	92.8	96.7	97.3	97.8	98.7	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5
GE 400	72.5	79.0	87.9	92.8	96.7	97.3	97.8	98.7	98.7	99.1	99.4	99.4	99.5	99.5	99.5	99.5
GE 300	72.5	79.0	87.9	92.8	96.7	97.4	98.0	99.0	99.0	99.5	99.8	99.8	99.9	99.9	99.9	99.9
GE 200	72.5	79.0	87.9	92.8	96.7	97.4	98.0	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 100	72.5	79.0	87.9	92.8	96.7	97.4	98.0	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0
GE 000	72.5	79.0	87.9	92.8	96.7	97.4	98.0	99.0	99.1	99.6	99.9	99.9	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 815

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.7	51.5	53.9	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 20000	56.4	60.2	63.5	64.5	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
GE 18000	57.0	60.7	64.1	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
GE 16000	57.1	60.9	64.3	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
GE 14000	57.5	61.3	64.7	65.8	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 12000	60.7	65.2	68.6	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 10000	63.5	68.2	72.6	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
GE 9000	64.1	68.8	73.1	74.8	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
GE 8000	68.4	73.5	80.1	82.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
GE 7000	68.8	73.9	80.5	82.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 6000	68.8	73.9	80.6	83.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 5000	69.7	74.8	82.0	84.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 4500	70.5	75.6	83.1	85.7	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 4000	72.2	77.3	84.8	87.4	89.7	89.7	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 3500	72.7	77.8	85.3	88.0	90.2	90.2	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 3000	73.1	78.8	86.3	89.5	91.7	91.7	92.1	92.3	92.3	92.3	92.5	92.5	92.7	92.7	92.7	92.7
GE 2500	74.1	79.7	87.8	91.0	93.8	93.8	94.2	94.4	94.4	94.4	94.5	94.5	94.7	94.7	94.7	94.7
GE 2000	74.2	79.9	88.5	91.7	94.7	94.9	95.3	95.7	95.7	95.7	95.9	95.9	96.1	96.1	96.1	96.1
GE 1800	74.2	79.9	88.5	91.7	94.7	94.9	95.3	95.7	95.7	95.7	95.9	95.9	96.1	96.1	96.1	96.1
GE 1500	74.4	80.1	88.7	91.9	94.9	95.1	95.5	95.9	95.9	95.9	96.1	96.1	96.2	96.2	96.2	96.2
GE 1200	75.0	80.6	89.3	92.5	95.5	95.7	96.1	96.6	96.6	96.6	96.8	96.8	97.0	97.0	97.0	97.0
GE 1000	75.2	80.8	89.5	92.7	95.9	96.1	96.4	97.0	97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4
GE 900	75.2	80.8	89.5	92.7	95.9	96.1	96.4	97.0	97.0	97.0	97.2	97.2	97.4	97.4	97.4	97.4
GE 800	75.2	80.8	89.5	92.7	95.9	96.1	96.4	97.0	97.0	97.4	97.6	97.6	97.7	97.7	97.7	97.7
GE 700	75.2	80.8	89.5	92.7	96.1	96.2	96.6	97.4	97.4	97.7	97.9	97.9	98.1	98.1	98.1	98.1
GE 600	75.4	81.0	89.7	92.9	96.2	96.8	97.2	97.9	97.9	98.3	98.7	98.7	98.9	98.9	98.9	98.9
GE 500	75.4	81.0	89.7	92.9	96.2	96.8	97.4	98.1	98.1	98.5	98.9	98.9	99.2	99.2	99.2	99.2
GE 400	75.4	81.0	89.7	92.9	96.2	96.8	97.4	98.1	98.1	98.7	99.1	99.1	99.4	99.4	99.4	99.4
GE 300	75.4	81.0	89.7	92.9	96.2	97.4	97.9	98.7	98.7	99.2	99.6	99.6	100.0	100.0	100.0	100.0
GE 200	75.4	81.0	89.7	92.9	96.2	97.4	97.9	98.7	98.7	99.2	99.6	99.6	100.0	100.0	100.0	100.0
GE 100	75.4	81.0	89.7	92.9	96.2	97.4	97.9	98.7	98.7	99.2	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	75.4	81.0	89.7	92.9	96.2	97.4	97.9	98.7	98.7	99.2	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 532

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	51.2	51.2	51.2	56.1	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
GE 20000	58.5	61.0	61.0	65.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 18000	58.5	61.0	61.0	65.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 16000	58.5	61.0	61.0	65.9	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
GE 14000	61.0	63.4	63.4	68.3	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
GE 12000	63.4	68.3	68.3	73.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 10000	63.4	68.3	68.3	73.2	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 9000	68.3	73.2	73.2	78.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
GE 8000	70.7	75.6	75.6	82.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 7000	70.7	75.6	75.6	82.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 6000	70.7	75.6	75.6	82.9	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
GE 5000	70.7	75.6	78.0	85.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4500	70.7	75.6	78.0	85.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
GE 4000	75.6	80.5	82.9	90.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3500	75.6	80.5	82.9	90.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 3000	75.6	80.5	82.9	90.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
GE 2500	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 2000	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1800	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1500	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1200	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 1000	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 900	75.6	80.5	85.4	92.7	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 800	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	75.6	80.5	87.8	95.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 41

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.4	46.3	49.4	51.0	52.3	52.5	52.9	53.0	53.0	53.2	53.2	53.2	53.3	53.3	53.4	53.4
GE 20000	49.6	53.0	57.1	59.2	60.6	60.7	61.1	61.3	61.3	61.4	61.5	61.5	61.6	61.6	61.6	61.6
GE 18000	50.1	53.5	57.6	59.7	61.1	61.2	61.7	61.8	61.8	62.0	62.0	62.0	62.1	62.1	62.2	62.2
GE 16000	50.2	53.5	57.6	59.7	61.2	61.3	61.8	61.9	61.9	62.0	62.1	62.1	62.2	62.2	62.2	62.2
GE 14000	50.6	53.9	58.1	60.2	61.7	61.8	62.3	62.4	62.4	62.5	62.6	62.6	62.7	62.7	62.7	62.7
GE 12000	53.4	57.1	61.5	63.7	65.3	65.4	65.9	66.0	66.0	66.1	66.2	66.2	66.3	66.3	66.3	66.3
GE 10000	56.2	60.4	65.5	68.0	69.7	69.9	70.4	70.6	70.6	70.8	70.8	70.8	70.9	70.9	70.9	70.9
GE 9000	56.6	60.9	66.0	68.6	70.2	70.4	71.0	71.2	71.2	71.3	71.4	71.4	71.5	71.5	71.5	71.5
GE 8000	58.9	63.5	69.8	72.7	74.8	75.0	75.7	76.0	76.0	76.1	76.2	76.2	76.3	76.3	76.4	76.4
GE 7000	59.4	64.1	70.5	73.5	75.6	75.8	76.4	76.8	76.8	76.9	77.0	77.0	77.1	77.1	77.2	77.2
GE 6000	59.7	64.6	71.1	74.1	76.3	76.5	77.2	77.5	77.5	77.7	77.7	77.7	77.8	77.8	77.9	77.9
GE 5000	60.8	65.7	72.6	75.8	78.3	78.5	79.3	79.7	79.7	79.8	79.9	79.9	80.0	80.0	80.1	80.1
GE 4500	61.3	66.2	73.4	76.6	79.3	79.6	80.3	80.8	80.8	80.9	81.0	81.0	81.1	81.1	81.2	81.2
GE 4000	62.9	67.9	75.5	78.8	81.7	81.9	82.8	83.3	83.3	83.5	83.6	83.6	83.7	83.7	83.8	83.8
GE 3500	64.2	69.3	77.1	80.5	83.3	83.6	84.5	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.5	85.5
GE 3000	65.1	70.3	78.4	82.0	85.0	85.3	86.2	86.8	86.8	86.9	87.0	87.0	87.2	87.2	87.3	87.3
GE 2500	65.3	70.7	79.2	83.0	86.1	86.4	87.4	88.0	88.0	88.1	88.2	88.2	88.4	88.4	88.5	88.5
GE 2000	66.3	71.7	80.4	84.4	87.9	88.2	89.2	89.8	89.8	90.0	90.2	90.2	90.3	90.3	90.4	90.4
GE 1800	66.3	71.8	80.6	84.6	88.1	88.4	89.4	90.1	90.1	90.3	90.4	90.4	90.5	90.5	90.7	90.7
GE 1500	67.3	72.8	81.6	85.7	89.6	89.9	91.1	92.0	92.0	92.4	92.6	92.6	92.7	92.7	92.9	92.9
GE 1200	67.6	73.1	82.0	86.2	90.2	90.5	91.9	92.9	92.9	93.4	93.5	93.5	93.7	93.7	93.8	93.8
GE 1000	67.8	73.3	82.4	86.8	90.9	91.4	92.8	93.9	93.9	94.4	94.6	94.6	94.8	94.8	94.9	94.9
GE 900	67.8	73.4	82.5	86.9	91.1	91.6	93.1	94.3	94.3	94.8	94.9	94.9	95.1	95.1	95.2	95.2
GE 800	67.9	73.4	82.6	87.1	91.5	92.0	93.6	94.9	94.9	95.5	95.7	95.7	95.9	95.9	96.0	96.0
GE 700	67.9	73.5	82.7	87.2	91.8	92.5	94.2	95.6	95.6	96.3	96.5	96.5	96.7	96.7	96.8	96.8
GE 600	68.1	73.6	83.0	87.5	92.4	93.1	95.0	96.5	96.5	97.3	97.7	97.7	97.9	97.9	98.0	98.0
GE 500	68.1	73.6	83.0	87.6	92.5	93.3	95.2	97.0	97.0	97.8	98.2	98.2	98.5	98.5	98.6	98.6
GE 400	68.1	73.7	83.0	87.6	92.5	93.4	95.3	97.1	97.1	98.0	98.4	98.4	98.7	98.7	99.0	99.0
GE 300	68.1	73.7	83.0	87.6	92.6	93.5	95.5	97.4	97.4	98.4	98.9	98.9	99.2	99.2	99.5	99.5
GE 200	68.1	73.7	83.0	87.6	92.6	93.5	95.5	97.4	97.5	98.6	99.1	99.1	99.4	99.4	99.8	99.9
GE 100	68.1	73.7	83.0	87.6	92.6	93.5	95.5	97.4	97.5	98.6	99.1	99.1	99.4	99.4	99.8	100.0
GE 000	68.1	73.7	83.0	87.6	92.6	93.5	95.5	97.4	97.5	98.6	99.1	99.1	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 4144

D - 2 - 60

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	30.2	34.7	42.2	45.2	48.7	48.7	52.3	52.8	53.3	53.3	53.8	53.8	55.3	55.3	55.8	55.8
GE 20000	32.2	37.2	45.7	49.2	53.8	54.3	57.8	58.3	58.8	58.8	60.3	60.3	61.8	61.8	62.3	62.3
GE 18000	32.2	37.2	45.7	49.2	53.8	54.3	57.8	58.3	58.8	58.8	60.3	60.3	61.8	61.8	62.3	62.3
GE 16000	32.2	37.2	45.7	49.2	53.8	54.3	57.8	58.3	58.8	58.8	60.3	60.3	61.8	61.8	62.3	62.3
GE 14000	32.7	37.7	46.2	49.7	54.3	54.8	58.3	58.8	59.3	59.3	60.8	60.8	62.3	62.3	62.8	62.8
GE 12000	33.2	38.2	46.7	50.3	54.8	55.3	58.8	59.3	59.8	59.8	61.3	61.3	62.8	62.8	63.3	63.3
GE 10000	34.7	39.7	50.3	54.3	59.3	59.8	63.8	64.3	64.8	64.8	66.3	66.3	68.3	68.3	68.8	68.8
GE 9000	35.2	40.2	50.8	54.8	59.8	60.3	64.3	64.8	65.3	65.3	66.8	66.8	68.8	68.8	69.3	69.3
GE 8000	38.2	43.2	53.8	58.8	63.8	64.3	68.3	69.3	69.8	69.8	71.4	71.4	73.4	73.4	73.9	73.9
GE 7000	38.7	43.7	54.8	60.3	65.3	65.8	69.8	71.4	71.9	71.9	73.4	73.4	75.4	75.4	75.9	75.9
GE 6000	39.2	44.2	55.3	60.8	65.8	66.3	70.4	71.9	72.4	72.4	73.9	73.9	75.9	75.9	76.4	76.4
GE 5000	39.2	44.2	55.3	60.8	66.3	66.8	70.9	72.4	72.9	72.9	74.4	74.4	76.4	76.4	76.9	76.9
GE 4500	39.2	44.2	55.3	60.8	66.8	67.3	71.4	73.4	73.9	73.9	75.4	75.4	77.4	77.4	77.9	77.9
GE 4000	39.2	44.2	55.8	61.3	67.3	67.8	71.9	73.9	74.4	74.4	75.9	75.9	77.9	77.9	78.4	78.4
GE 3500	39.2	44.2	55.8	61.3	67.3	67.8	71.9	73.9	74.4	74.4	75.9	75.9	77.9	77.9	78.4	78.4
GE 3000	39.2	44.2	55.8	61.3	67.8	68.3	72.4	74.4	74.9	74.9	76.4	76.4	78.4	78.4	78.9	78.9
GE 2500	40.2	45.2	56.8	62.3	68.8	69.3	73.4	75.4	75.9	75.9	77.4	77.4	79.4	79.4	79.9	79.9
GE 2000	41.2	46.2	57.8	63.8	70.4	70.9	74.9	76.9	77.4	77.4	78.9	78.9	80.9	80.9	81.4	81.4
GE 1800	41.2	46.2	58.3	64.3	70.9	71.4	75.9	77.9	78.4	78.4	79.9	79.9	81.9	81.9	82.4	82.4
GE 1500	42.2	47.2	59.3	65.3	73.4	73.9	78.4	80.4	80.9	80.9	82.4	82.4	84.4	84.4	84.9	84.9
GE 1200	42.7	48.2	60.3	66.3	74.9	75.4	80.4	82.4	82.9	82.9	84.4	84.4	86.4	86.4	86.9	86.9
GE 1000	43.2	48.7	60.8	66.8	75.9	76.4	81.9	83.9	84.4	85.4	86.9	86.9	88.9	88.9	89.4	89.4
GE 900	43.7	49.2	61.3	67.3	76.4	76.9	82.4	84.4	84.9	85.9	87.4	87.4	89.4	89.4	89.9	89.9
GE 800	44.2	49.7	61.8	67.8	76.9	77.4	82.9	84.9	85.4	86.4	87.9	87.9	89.9	89.9	90.5	90.5
GE 700	44.2	49.7	61.8	67.8	76.9	77.4	82.9	85.4	85.9	86.9	88.4	88.4	90.5	90.5	91.0	91.0
GE 600	44.2	49.7	61.8	67.8	77.4	77.9	83.9	86.4	87.4	88.4	89.9	89.9	92.0	92.0	92.5	92.5
GE 500	44.2	49.7	62.3	68.3	77.9	78.4	84.9	87.9	88.9	89.9	91.5	91.5	93.5	93.5	94.0	94.5
GE 400	44.2	49.7	62.3	68.3	77.9	78.4	84.9	87.9	88.9	89.9	91.5	91.5	94.0	94.0	94.5	95.0
GE 300	44.2	49.7	62.3	68.3	77.9	78.4	84.9	87.9	88.9	89.9	91.5	91.5	94.0	94.0	95.5	96.0
GE 200	44.2	49.7	62.3	68.3	77.9	78.4	84.9	88.4	89.4	90.5	92.0	92.0	94.5	95.0	97.5	98.5
GE 100	44.2	49.7	62.3	68.3	77.9	78.4	84.9	88.4	89.4	90.5	92.0	92.0	95.0	95.5	98.0	100.0
GE 000	44.2	49.7	62.3	68.3	77.9	78.4	84.9	88.4	89.4	90.5	92.0	92.0	95.0	95.5	98.0	100.0

TOTAL NUMBER OF OBSERVATIONS 199

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.0	40.7	44.9	47.6	51.8	52.4	53.7	54.5	54.7	55.1	55.7	55.7	56.0	56.0	56.1	56.1
GE 20000	40.4	43.4	48.1	51.9	56.3	57.0	58.3	59.1	59.3	59.7	60.4	60.4	60.6	60.6	60.7	60.7
GE 18000	40.4	43.4	48.1	51.9	56.3	57.0	58.3	59.1	59.3	59.7	60.4	60.4	60.6	60.6	60.7	60.7
GE 16000	40.4	43.4	48.1	51.9	56.3	57.0	58.3	59.1	59.3	59.7	60.4	60.4	60.6	60.6	60.7	60.7
GE 14000	40.5	43.6	48.3	52.1	56.5	57.2	58.6	59.3	59.6	59.9	60.6	60.6	60.8	60.8	60.9	60.9
GE 12000	41.7	44.8	49.7	53.7	58.3	59.3	60.8	61.7	61.9	62.4	63.1	63.1	63.4	63.4	63.5	63.6
GE 10000	43.8	47.1	52.4	56.5	61.7	62.8	64.5	65.4	65.7	66.1	66.8	66.8	67.2	67.2	67.3	67.5
GE 9000	44.3	47.5	52.9	57.1	62.3	63.4	65.1	66.1	66.3	66.9	67.6	67.6	68.0	68.0	68.1	68.2
GE 8000	46.7	50.5	55.9	60.1	65.9	67.0	68.7	70.0	70.3	70.8	71.5	71.5	72.0	72.0	72.1	72.2
GE 7000	47.7	51.5	57.0	61.4	67.3	68.5	70.2	71.5	71.7	72.3	73.0	73.0	73.4	73.4	73.5	73.6
GE 6000	48.1	51.8	57.4	61.8	67.8	68.9	70.9	72.4	72.6	73.2	73.9	73.9	74.3	74.3	74.4	74.5
GE 5000	49.4	53.3	59.2	63.7	69.9	71.1	73.1	74.5	74.8	75.3	76.0	76.0	76.5	76.5	76.6	76.7
GE 4500	50.3	54.3	60.2	64.8	70.9	72.1	74.1	75.6	75.8	76.4	77.0	77.0	77.5	77.5	77.6	77.7
GE 4000	50.8	54.7	60.9	65.8	72.2	73.3	75.5	77.5	77.7	78.4	79.2	79.2	79.6	79.6	79.7	79.8
GE 3500	50.9	54.8	61.3	66.2	72.6	73.8	76.0	78.0	78.3	78.9	79.7	79.7	80.2	80.2	80.3	80.4
GE 3000	51.0	55.1	61.6	66.7	73.5	74.7	77.3	79.3	79.5	80.2	81.0	81.0	81.4	81.4	81.5	81.6
GE 2500	51.6	55.7	62.3	67.3	74.3	75.5	78.0	80.2	80.4	81.1	81.9	81.9	82.3	82.3	82.4	82.5
GE 2000	52.0	56.2	62.7	68.0	75.1	76.2	78.9	81.2	81.4	82.1	82.9	82.9	83.3	83.3	83.4	83.6
GE 1800	52.1	56.3	63.0	68.2	75.6	76.7	79.5	81.8	82.0	82.7	83.4	83.4	83.9	83.9	84.0	84.1
GE 1500	52.7	56.9	63.6	68.9	76.5	77.7	80.6	82.9	83.1	83.9	84.7	84.7	85.1	85.1	85.2	85.4
GE 1200	53.6	58.0	64.8	70.4	78.3	79.5	82.7	85.0	85.2	86.0	86.8	86.8	87.3	87.3	87.4	87.5
GE 1000	53.9	58.4	65.3	71.2	79.2	80.4	84.0	86.5	86.7	87.7	88.5	88.5	89.0	89.0	89.1	89.2
GE 900	54.3	58.8	65.7	71.5	79.5	80.7	84.3	86.9	87.2	88.2	89.0	89.0	89.4	89.4	89.5	89.6
GE 800	54.4	58.9	65.8	71.6	79.7	81.0	84.6	87.2	87.4	88.4	89.2	89.2	89.6	89.6	89.8	89.9
GE 700	54.6	59.1	66.1	72.0	80.2	81.5	85.4	88.3	88.5	89.5	90.3	90.3	90.8	90.8	90.9	91.0
GE 600	54.6	59.2	66.3	72.2	80.7	82.4	86.8	89.9	90.1	91.2	92.0	92.0	92.5	92.5	92.6	92.7
GE 500	54.8	59.6	66.9	72.7	81.5	83.2	87.8	91.0	91.2	92.5	93.5	93.5	93.9	93.9	94.0	94.4
GE 400	54.8	59.7	67.0	73.2	82.1	83.8	88.9	92.6	92.8	94.1	95.4	95.4	95.9	95.9	96.1	96.4
GE 300	54.8	59.7	67.0	73.2	82.1	83.8	88.9	92.7	92.9	94.4	95.9	95.9	96.8	97.0	97.1	97.4
GE 200	54.8	59.7	67.0	73.2	82.1	83.8	89.0	93.1	93.5	94.9	96.5	96.5	97.7	98.0	98.4	99.0
GE 100	54.8	59.7	67.0	73.2	82.1	83.8	89.0	93.1	93.5	94.9	96.5	96.5	98.1	98.3	99.1	99.9
GE 000	54.8	59.7	67.0	73.2	82.1	83.8	89.0	93.1	93.5	94.9	96.5	96.5	98.1	98.3	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 888

D - 2 - 62

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.1	47.8	52.2	54.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
GE 20000	49.2	52.1	57.2	60.2	61.9	61.9	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 18000	49.3	52.2	57.3	60.3	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 16000	49.3	52.2	57.3	60.3	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 14000	49.5	52.5	57.5	60.5	62.2	62.2	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
GE 12000	50.7	54.0	59.2	62.3	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 10000	52.0	55.3	60.9	64.9	66.8	66.8	66.9	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 9000	52.0	55.3	61.0	65.0	66.9	66.9	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
GE 8000	55.2	58.8	65.4	69.6	71.6	71.6	71.8	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7000	55.8	59.5	66.1	70.4	72.3	72.3	72.6	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8
GE 6000	56.2	59.9	66.7	70.9	73.1	73.1	73.6	73.7	73.7	73.8	73.8	73.8	73.9	73.9	73.9	73.9
GE 5000	57.7	61.4	68.3	72.8	75.1	75.1	75.5	75.6	75.6	75.7	75.7	75.7	75.8	75.8	75.8	75.8
GE 4500	58.1	61.9	69.1	73.6	75.8	75.8	76.3	76.4	76.4	76.5	76.5	76.5	76.6	76.6	76.6	76.6
GE 4000	59.5	63.3	70.6	75.5	77.8	77.8	78.4	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8
GE 3500	60.3	64.4	71.8	76.9	79.3	79.3	80.0	80.4	80.4	80.5	80.5	80.5	80.7	80.7	80.7	80.7
GE 3000	62.3	66.7	74.5	79.8	82.6	82.6	83.3	83.7	83.7	83.8	83.8	83.8	83.9	83.9	83.9	83.9
GE 2500	62.6	67.1	75.0	80.4	83.7	83.7	84.4	84.8	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 2000	63.8	68.3	76.3	82.0	85.4	85.7	86.3	86.9	86.9	87.0	87.0	87.0	87.1	87.1	87.1	87.1
GE 1800	64.0	68.6	76.6	82.4	85.8	86.1	86.8	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 1500	64.7	69.3	77.5	83.7	87.2	87.7	88.4	89.0	89.0	89.1	89.1	89.1	89.2	89.2	89.2	89.2
GE 1200	65.5	70.2	78.5	85.1	88.7	89.2	90.1	90.6	90.7	90.8	90.8	90.8	90.9	90.9	90.9	90.9
GE 1000	65.5	70.5	78.9	85.6	89.4	89.8	90.9	91.6	91.8	91.9	91.9	91.9	92.0	92.0	92.0	92.0
GE 900	65.6	70.6	79.1	85.8	89.6	90.1	91.1	91.9	92.1	92.2	92.2	92.2	92.5	92.5	92.5	92.5
GE 800	65.8	70.8	79.3	86.3	90.4	90.9	92.1	93.0	93.2	93.3	93.3	93.3	93.6	93.6	93.6	93.6
GE 700	65.8	70.8	79.6	86.8	91.3	91.9	93.1	94.0	94.2	94.3	94.3	94.3	94.5	94.5	94.5	94.5
GE 600	65.9	71.0	80.2	87.7	92.3	93.1	94.4	95.5	95.7	95.8	95.8	95.8	96.1	96.1	96.1	96.1
GE 500	65.9	71.0	80.3	87.8	92.8	93.7	95.1	96.6	96.8	97.3	97.3	97.3	97.7	97.7	97.7	97.7
GE 400	65.9	71.0	80.4	88.0	93.1	94.1	95.5	97.5	97.7	98.1	98.1	98.1	98.6	98.6	98.6	98.7
GE 300	65.9	71.0	80.4	88.0	93.1	94.4	95.8	97.9	98.3	98.8	98.9	98.9	99.5	99.5	99.5	99.6
GE 200	65.9	71.0	80.4	88.0	93.1	94.4	95.8	97.9	98.5	99.0	99.1	99.1	99.8	99.8	99.8	99.9
GE 100	65.9	71.0	80.4	88.0	93.1	94.4	95.8	97.9	98.5	99.0	99.1	99.2	99.9	99.9	99.9	100.0
GE 000	65.9	71.0	80.4	88.0	93.1	94.4	95.8	97.9	98.5	99.0	99.1	99.2	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 915

D - 2 - 63

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.1	45.8	48.9	50.3	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 20000	51.5	53.8	58.0	60.0	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
GE 18000	52.1	54.4	58.6	60.5	60.7	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 16000	52.1	54.4	58.6	60.5	60.7	60.7	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 14000	52.4	54.7	58.9	60.9	61.1	61.1	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 12000	53.8	56.4	61.0	62.9	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 10000	55.3	58.3	63.0	65.5	66.0	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
GE 9000	55.9	58.6	63.3	65.7	66.2	66.2	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 8000	57.9	61.2	66.4	69.2	69.8	69.8	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 7000	58.6	62.1	67.3	70.1	70.7	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
GE 6000	58.8	62.3	67.7	70.4	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
GE 5000	60.5	64.3	70.0	73.0	73.8	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
GE 4500	61.1	64.8	70.5	73.6	74.3	74.3	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 4000	63.8	67.5	73.7	77.0	77.7	77.7	77.9	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
GE 3500	67.0	70.8	77.3	80.7	81.6	81.6	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
GE 3000	69.2	73.6	80.2	83.9	85.3	85.3	85.4	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
GE 2500	70.4	74.8	81.7	85.4	87.1	87.1	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	72.0	76.4	83.4	87.4	89.3	89.4	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 1800	72.1	76.6	83.9	87.8	89.8	89.9	90.0	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1500	72.6	77.3	84.6	88.6	90.9	91.2	91.7	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 1200	73.0	78.0	85.7	90.2	93.1	93.4	93.9	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5
GE 1000	73.0	78.0	85.9	90.4	93.5	93.9	94.3	94.8	94.8	95.0	95.0	95.0	95.0	95.0	95.0	95.0
GE 900	73.1	78.1	86.4	90.9	94.1	94.4	95.0	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 800	73.6	78.6	87.1	91.6	95.1	95.4	96.1	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
GE 700	73.9	78.9	87.5	92.0	95.6	95.9	96.9	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6
GE 600	73.9	78.9	87.6	92.2	95.8	96.2	97.1	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
GE 500	74.0	79.1	87.9	92.7	96.4	96.7	98.0	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
GE 400	74.0	79.1	87.9	92.9	96.7	97.0	98.4	99.1	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3
GE 300	74.0	79.1	87.9	92.9	96.7	97.0	98.5	99.3	99.3	99.5	99.5	99.5	99.8	99.8	99.8	99.8
GE 200	74.0	79.1	87.9	92.9	96.7	97.0	98.5	99.3	99.3	99.5	99.5	99.5	99.9	99.9	99.9	99.9
GE 100	74.0	79.1	87.9	92.9	96.7	97.0	98.5	99.3	99.3	99.5	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	74.0	79.1	87.9	92.9	96.7	97.0	98.5	99.3	99.3	99.5	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 912

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.8	46.7	50.9	51.9	52.2	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
GE 20000	53.8	56.4	59.8	61.1	61.5	61.7	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
GE 18000	54.2	56.7	60.1	61.4	61.9	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 16000	54.2	56.7	60.1	61.4	61.9	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 14000	55.3	57.9	61.3	62.6	63.1	63.2	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
GE 12000	57.3	60.1	63.5	64.8	65.3	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
GE 10000	59.8	62.6	66.0	67.6	68.2	68.3	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 9000	60.1	63.0	66.4	68.0	68.6	68.7	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
GE 8000	64.2	67.3	71.7	73.6	74.2	74.3	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
GE 7000	64.8	68.0	72.6	74.8	75.4	75.5	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
GE 6000	65.2	68.3	72.9	75.1	75.8	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
GE 5000	66.9	70.1	74.9	77.4	78.2	78.3	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
GE 4500	67.4	70.6	75.4	77.8	78.9	79.0	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 4000	69.8	73.0	78.4	81.1	82.3	82.4	83.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
GE 3500	72.0	75.4	80.9	83.6	85.0	85.2	85.9	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 3000	72.9	76.8	82.3	85.1	87.5	87.8	88.9	89.1	89.1	89.3	89.4	89.4	89.4	89.4	89.4	89.4
GE 2500	73.9	77.7	83.8	87.0	89.9	90.3	91.3	91.6	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9
GE 2000	74.7	78.7	84.9	88.0	91.2	91.6	92.8	93.1	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6
GE 1800	75.1	79.1	85.3	88.5	91.7	92.0	93.3	93.6	93.6	93.8	94.0	94.0	94.0	94.0	94.0	94.0
GE 1500	75.7	79.8	86.0	89.2	92.7	93.1	94.4	94.6	94.6	94.8	95.1	95.1	95.1	95.1	95.1	95.1
GE 1200	75.7	80.0	86.3	89.4	93.0	93.4	94.7	95.0	95.0	95.2	95.4	95.4	95.4	95.4	95.4	95.4
GE 1000	76.0	80.2	86.5	89.7	93.2	93.7	95.0	95.2	95.2	95.5	96.0	96.0	96.0	96.0	96.0	96.0
GE 900	76.0	80.3	86.8	90.0	93.7	94.1	95.4	95.7	95.7	96.0	96.5	96.5	96.5	96.5	96.5	96.5
GE 800	76.0	80.3	86.9	90.3	94.0	94.5	96.1	96.5	96.5	96.8	97.3	97.3	97.3	97.3	97.3	97.3
GE 700	76.0	80.3	87.0	90.4	94.3	94.7	96.5	96.8	96.8	97.3	97.8	97.8	97.8	97.8	97.8	97.8
GE 600	76.0	80.3	87.0	90.5	94.4	94.8	96.6	97.5	97.5	98.2	98.7	98.7	98.7	98.7	98.7	98.7
GE 500	76.2	80.5	87.3	90.9	94.8	95.3	97.1	98.0	98.0	98.7	99.2	99.2	99.2	99.2	99.2	99.2
GE 400	76.2	80.5	87.3	90.9	94.8	95.3	97.1	98.0	98.0	98.8	99.3	99.3	99.3	99.3	99.3	99.3
GE 300	76.2	80.5	87.3	90.9	94.8	95.3	97.3	98.4	98.4	99.3	99.8	99.8	99.9	99.9	100.0	100.0
GE 200	76.2	80.5	87.3	90.9	94.8	95.3	97.3	98.4	98.4	99.3	99.8	99.8	99.9	99.9	100.0	100.0
GE 100	76.2	80.5	87.3	90.9	94.8	95.3	97.3	98.4	98.4	99.3	99.8	99.8	99.9	99.9	100.0	100.0
GE 000	76.2	80.5	87.3	90.9	94.8	95.3	97.3	98.4	98.4	99.3	99.8	99.8	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 853

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.7	51.9	53.7	54.9	56.2	56.4	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 20000	58.5	60.6	63.6	64.8	66.1	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 18000	58.5	60.6	63.6	64.8	66.4	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 16000	58.5	60.6	63.6	64.8	66.4	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 14000	59.0	61.1	64.1	65.4	67.0	67.1	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 12000	63.1	65.4	68.4	69.6	71.2	71.4	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
GE 10000	66.3	68.6	72.3	73.9	76.1	76.3	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
GE 9000	66.4	68.7	72.6	74.2	76.5	76.7	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 8000	69.6	71.9	76.1	77.7	80.0	80.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
GE 7000	70.1	72.4	76.7	78.4	80.7	81.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
GE 6000	70.8	73.1	77.4	79.5	81.8	82.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
GE 5000	72.1	74.4	78.8	81.6	83.9	84.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 4500	72.4	74.7	79.2	82.0	84.5	85.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
GE 4000	72.8	75.1	79.7	82.5	85.0	85.7	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
GE 3500	73.3	75.6	80.6	83.4	86.0	86.7	88.0	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
GE 3000	74.2	76.7	81.8	84.6	87.6	88.3	90.5	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 2500	74.4	77.0	82.9	85.9	89.0	89.8	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
GE 2000	74.6	77.2	83.0	86.0	89.2	89.9	92.6	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1800	74.6	77.2	83.0	86.0	89.2	89.9	92.6	92.9	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1
GE 1500	74.6	77.4	83.2	86.2	89.8	90.5	93.1	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
GE 1200	74.6	77.4	83.2	86.4	89.9	90.6	93.5	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0
GE 1000	74.6	77.4	83.4	86.7	90.3	91.0	94.0	94.3	94.3	94.5	94.7	94.7	94.7	94.7	94.7	94.7
GE 900	74.6	77.4	83.6	86.9	90.8	91.5	94.5	94.9	94.9	95.1	95.2	95.2	95.4	95.4	95.4	95.4
GE 800	74.6	77.4	83.9	87.5	91.7	92.4	95.8	96.1	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6
GE 700	74.6	77.4	83.9	87.5	91.7	92.4	95.8	96.1	96.1	96.3	96.5	96.5	96.6	96.6	96.6	96.6
GE 600	74.6	77.4	83.9	87.8	92.6	93.3	96.8	97.2	97.2	97.5	97.7	97.7	97.9	97.9	97.9	97.9
GE 500	74.6	77.4	83.9	88.2	93.3	94.0	97.7	98.1	98.1	98.8	98.9	99.3	99.5	99.5	99.5	99.5
GE 400	74.6	77.4	83.9	88.2	93.3	94.0	97.7	98.2	98.2	98.9	99.1	99.5	99.6	99.6	99.6	99.6
GE 300	74.6	77.4	83.9	88.3	93.5	94.2	97.9	98.4	98.4	99.1	99.3	99.6	100.0	100.0	100.0	100.0
GE 200	74.6	77.4	83.9	88.3	93.5	94.2	97.9	98.4	98.4	99.1	99.3	99.6	100.0	100.0	100.0	100.0
GE 100	74.6	77.4	83.9	88.3	93.5	94.2	97.9	98.4	98.4	99.1	99.3	99.6	100.0	100.0	100.0	100.0
GE 000	74.6	77.4	83.9	88.3	93.5	94.2	97.9	98.4	98.4	99.1	99.3	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 566

D - 2 - 66

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.8	55.8	57.7	57.7	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 20000	67.3	69.2	71.2	71.2	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
GE 18000	67.3	69.2	71.2	71.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 16000	67.3	69.2	71.2	71.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 14000	67.3	69.2	71.2	71.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 12000	69.2	71.2	73.1	73.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
GE 10000	75.0	76.9	78.8	78.8	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 9000	75.0	76.9	78.8	78.8	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 8000	76.9	78.8	80.8	80.8	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 7000	76.9	78.8	80.8	80.8	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
GE 6000	78.8	80.8	82.7	82.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 5000	78.8	80.8	82.7	82.7	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 4500	80.8	82.7	84.6	84.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 4000	80.8	82.7	84.6	84.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 3500	80.8	82.7	84.6	84.6	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 3000	80.8	82.7	84.6	84.6	90.4	90.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2500	80.8	82.7	84.6	84.6	90.4	90.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 2000	80.8	82.7	84.6	84.6	90.4	90.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1800	80.8	82.7	84.6	84.6	90.4	90.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1500	80.8	82.7	84.6	84.6	90.4	90.4	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
GE 1200	82.7	84.6	86.5	88.5	94.2	94.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 1000	82.7	84.6	86.5	88.5	94.2	94.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 900	82.7	84.6	86.5	88.5	94.2	94.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 800	82.7	84.6	86.5	88.5	94.2	94.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 700	82.7	84.6	86.5	88.5	94.2	94.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
GE 600	82.7	84.6	86.5	90.4	96.2	96.2	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
GE 500	82.7	84.6	86.5	90.4	96.2	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	82.7	84.6	86.5	90.4	96.2	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	82.7	84.6	86.5	90.4	96.2	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	82.7	84.6	86.5	90.4	96.2	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	82.7	84.6	86.5	90.4	96.2	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	82.7	84.6	86.5	90.4	96.2	96.2	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 52

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: AUG HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	46.1	49.6	51.4	53.0	53.1	53.7	53.9	54.0	54.0	54.2	54.2	54.3	54.3	54.4	54.4
GE 20000	49.4	52.2	56.5	58.9	60.6	60.8	61.5	61.7	61.8	61.8	62.0	62.0	62.1	62.1	62.2	62.2
GE 18000	49.6	52.4	56.7	59.1	60.9	61.1	61.7	62.0	62.0	62.1	62.3	62.3	62.4	62.4	62.5	62.5
GE 16000	49.6	52.4	56.7	59.1	60.9	61.1	61.7	62.0	62.0	62.1	62.3	62.3	62.4	62.4	62.5	62.5
GE 14000	50.1	52.8	57.2	59.6	61.4	61.6	62.2	62.4	62.5	62.6	62.8	62.8	62.9	62.9	62.9	62.9
GE 12000	51.8	54.8	59.3	61.7	63.6	63.9	64.5	64.8	64.9	64.9	65.2	65.2	65.3	65.3	65.3	65.4
GE 10000	54.0	56.9	61.8	64.7	66.9	67.2	68.0	68.2	68.3	68.4	68.6	68.6	68.8	68.8	68.8	68.8
GE 9000	54.2	57.2	62.1	65.0	67.3	67.5	68.3	68.6	68.6	68.8	69.0	69.0	69.1	69.1	69.2	69.2
GE 8000	57.1	60.5	66.0	69.1	71.5	71.8	72.6	73.0	73.0	73.2	73.4	73.4	73.6	73.6	73.6	73.6
GE 7000	57.8	61.2	66.8	70.1	72.5	72.9	73.7	74.0	74.1	74.3	74.5	74.5	74.6	74.6	74.7	74.7
GE 6000	58.2	61.6	67.3	70.6	73.1	73.5	74.4	74.8	74.8	75.0	75.2	75.2	75.4	75.4	75.4	75.5
GE 5000	59.7	63.2	69.0	72.6	75.3	75.6	76.5	77.0	77.0	77.2	77.4	77.4	77.6	77.6	77.6	77.7
GE 4500	60.2	63.7	69.7	73.2	76.0	76.4	77.3	77.8	77.9	78.0	78.2	78.2	78.4	78.4	78.4	78.5
GE 4000	61.7	65.2	71.5	75.3	78.1	78.5	79.5	80.2	80.3	80.4	80.7	80.7	80.9	80.9	80.9	80.9
GE 3500	63.0	66.7	73.1	77.1	80.0	80.4	81.5	82.2	82.3	82.4	82.7	82.7	82.9	82.9	82.9	82.9
GE 3000	64.2	68.2	74.8	78.9	82.3	82.8	84.1	84.9	84.9	85.2	85.4	85.4	85.6	85.6	85.7	85.7
GE 2500	64.9	68.9	75.8	80.0	83.8	84.2	85.6	86.4	86.5	86.7	86.9	86.9	87.1	87.1	87.2	87.2
GE 2000	65.8	69.9	76.8	81.2	85.1	85.6	87.1	88.0	88.1	88.3	88.6	88.6	88.8	88.8	88.8	88.8
GE 1800	66.0	70.1	77.1	81.5	85.5	86.0	87.6	88.4	88.5	88.7	89.0	89.0	89.2	89.2	89.3	89.3
GE 1500	66.5	70.7	77.8	82.3	86.6	87.2	88.9	89.7	89.8	90.1	90.3	90.3	90.5	90.5	90.6	90.6
GE 1200	67.0	71.3	78.6	83.4	87.9	88.6	90.3	91.2	91.3	91.6	91.9	91.9	92.1	92.1	92.1	92.1
GE 1000	67.1	71.6	78.9	83.8	88.5	89.1	91.1	92.0	92.1	92.5	92.8	92.8	93.0	93.0	93.1	93.1
GE 900	67.3	71.7	79.2	84.1	88.9	89.5	91.5	92.5	92.6	93.0	93.3	93.3	93.6	93.6	93.6	93.6
GE 800	67.4	71.9	79.5	84.5	89.5	90.1	92.3	93.3	93.4	93.8	94.2	94.2	94.4	94.4	94.5	94.5
GE 700	67.5	72.0	79.8	84.8	89.9	90.6	92.9	94.0	94.1	94.5	94.9	94.9	95.1	95.1	95.2	95.2
GE 600	67.6	72.1	80.0	85.2	90.5	91.3	93.8	95.1	95.2	95.7	96.1	96.1	96.3	96.3	96.4	96.4
GE 500	67.7	72.2	80.3	85.5	91.1	91.9	94.5	96.0	96.2	96.8	97.2	97.2	97.5	97.5	97.6	97.7
GE 400	67.7	72.3	80.3	85.7	91.3	92.2	94.9	96.6	96.8	97.4	97.9	97.9	98.3	98.3	98.3	98.4
GE 300	67.7	72.3	80.3	85.7	91.4	92.2	95.1	96.9	97.0	97.8	98.3	98.4	98.9	98.9	99.0	99.2
GE 200	67.7	72.3	80.3	85.7	91.4	92.2	95.1	97.0	97.2	98.0	98.5	98.5	99.2	99.3	99.5	99.7
GE 100	67.7	72.3	80.3	85.7	91.4	92.2	95.1	97.0	97.2	98.0	98.5	98.6	99.3	99.4	99.7	100.0
GE 000	67.7	72.3	80.3	85.7	91.4	92.2	95.1	97.0	97.2	98.0	98.5	98.6	99.3	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 4385

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL																
GE 20000																
GE 18000																
GE 16000																
GE 14000																
GE 12000																
GE 10000																
GE 9000																
GE 8000																
GE 7000																
GE 6000																
GE 5000																
GE 4500																
GE 4000																
GE 3500																
GE 3000																
GE 2500																
GE 2000																
GE 1800																
GE 1500	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
GE 1200	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 1000	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 900	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 800	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 700	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 600	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 500	25.0	25.0	25.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 400	25.0	25.0	25.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	25.0	25.0	25.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	25.0	25.0	25.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	25.0	25.0	25.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	25.0	25.0	25.0	50.0	50.0	50.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.0	38.0	41.2	43.3	46.0	46.5	47.6	48.7	48.7	49.7	49.7	50.3	51.3	51.3	52.9	54.0
GE 20000	38.5	38.5	41.7	43.9	47.1	47.6	48.7	49.7	49.7	50.8	50.8	51.3	52.4	52.4	54.0	55.1
GE 18000	38.5	38.5	41.7	43.9	47.1	48.1	49.2	50.3	50.3	51.3	51.3	51.9	52.9	52.9	54.5	55.6
GE 16000	38.5	38.5	41.7	43.9	47.1	48.1	49.2	50.3	50.3	51.3	51.3	51.9	52.9	52.9	54.5	55.6
GE 14000	38.5	38.5	41.7	43.9	47.1	48.1	49.2	50.3	50.3	51.3	51.3	51.9	52.9	52.9	54.5	55.6
GE 12000	38.5	38.5	41.7	43.9	47.6	48.7	49.7	50.8	50.8	51.9	51.9	52.4	53.5	53.5	55.1	56.1
GE 10000	40.6	41.2	44.9	47.1	50.8	51.9	52.9	54.0	54.0	55.1	55.1	55.6	56.7	56.7	58.3	59.4
GE 9000	40.6	41.2	44.9	47.1	50.8	51.9	52.9	54.0	54.0	55.1	55.1	55.6	56.7	56.7	58.3	59.4
GE 8000	42.8	43.3	47.1	49.2	53.5	54.5	55.6	56.7	56.7	57.8	57.8	58.3	59.4	59.4	61.0	62.0
GE 7000	44.4	44.9	48.7	50.8	55.1	56.1	57.2	58.3	58.3	59.4	59.4	59.9	61.0	61.0	62.6	63.6
GE 6000	44.4	44.9	48.7	50.8	55.1	56.1	57.2	58.3	58.3	59.4	59.4	59.9	61.0	61.0	62.6	63.6
GE 5000	45.5	46.0	49.7	52.4	56.7	57.8	58.8	60.4	60.4	61.5	61.5	62.0	63.1	63.1	64.7	65.8
GE 4500	45.5	46.0	49.7	52.4	57.2	58.3	59.4	61.0	61.0	62.0	62.0	62.6	63.6	63.6	65.2	66.3
GE 4000	47.1	47.6	51.3	55.1	59.9	61.0	62.0	63.6	63.6	64.7	64.7	65.2	66.3	66.3	67.9	69.0
GE 3500	48.1	48.7	52.4	56.1	61.0	62.0	63.1	64.7	64.7	65.8	65.8	66.3	67.4	67.4	69.0	70.1
GE 3000	49.7	50.3	54.5	58.8	64.2	65.2	66.3	67.9	67.9	69.0	69.0	69.5	70.6	70.6	72.2	73.3
GE 2500	50.3	50.8	55.1	59.4	64.7	65.8	66.8	68.4	68.4	69.5	69.5	70.1	71.1	71.1	72.7	73.8
GE 2000	51.9	52.4	56.7	61.5	66.8	67.9	69.5	71.1	71.1	72.2	72.2	72.7	73.8	73.8	75.4	76.5
GE 1800	51.9	52.4	57.2	62.0	67.9	69.0	70.6	72.2	72.2	73.3	73.3	73.8	74.9	74.9	76.5	77.5
GE 1500	52.4	52.9	58.8	64.2	70.6	71.7	73.3	74.9	74.9	75.9	75.9	76.5	77.5	77.5	79.1	80.2
GE 1200	52.9	54.0	60.4	65.8	72.2	73.3	74.9	76.5	76.5	77.5	77.5	78.1	79.1	79.1	80.7	81.8
GE 1000	52.9	54.0	60.4	65.8	72.2	73.3	75.9	77.5	77.5	78.6	78.6	79.1	80.2	80.2	81.8	82.9
GE 900	52.9	54.0	60.4	65.8	72.2	73.3	75.9	77.5	77.5	78.6	78.6	79.1	80.2	80.2	81.8	82.9
GE 800	52.9	54.0	61.0	66.3	72.7	73.8	76.5	78.1	78.1	79.1	79.1	79.7	80.7	80.7	82.4	83.4
GE 700	52.9	54.0	61.0	66.8	73.3	74.1	77.0	78.6	78.6	80.2	80.2	80.7	81.8	81.8	83.4	84.5
GE 600	52.9	54.0	61.0	67.4	74.3	75.4	78.1	79.7	79.7	81.3	81.3	81.8	82.9	82.9	84.5	85.6
GE 500	53.5	54.5	61.5	67.9	76.5	77.5	80.2	81.8	82.4	84.0	84.0	84.5	86.1	86.1	87.7	88.8
GE 400	53.5	54.5	62.0	68.4	77.0	78.1	83.4	85.0	85.6	87.2	87.7	88.2	89.8	89.8	91.4	92.5
GE 300	53.5	54.5	62.0	68.4	77.5	78.6	84.0	85.6	86.1	88.2	88.8	89.3	90.9	90.9	92.5	93.6
GE 200	53.5	54.5	62.0	68.4	77.5	78.6	84.0	85.6	86.1	89.3	90.4	90.9	92.5	92.5	94.1	96.3
GE 100	53.5	54.5	62.0	68.4	77.5	78.6	84.0	85.6	86.1	89.3	90.9	92.0	93.6	93.6	96.3	98.9
GE 000	53.5	54.5	62.0	68.4	77.5	78.6	84.0	85.6	86.1	89.3	90.9	92.0	93.6	93.6	96.8	100.0

TOTAL NUMBER OF OBSERVATIONS 187

D - 2 - 70

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	39.8	40.8	43.8	45.9	48.5	48.7	49.9	50.8	50.8	51.6	51.8	51.9	52.4	52.4	52.8	53.6
GE 20000	42.9	44.4	48.2	51.0	53.6	53.8	55.0	55.9	55.9	56.7	56.8	57.0	57.5	57.5	58.1	58.8
GE 18000	43.5	45.0	48.8	51.6	54.2	54.4	55.6	56.5	56.5	57.3	57.5	57.6	58.1	58.1	58.7	59.4
GE 16000	43.5	45.0	48.8	51.6	54.2	54.4	55.6	56.5	56.5	57.3	57.5	57.6	58.1	58.1	58.7	59.4
GE 14000	44.0	45.5	49.3	52.1	54.7	54.9	56.1	57.1	57.1	57.9	58.1	58.2	58.7	58.7	59.3	60.0
GE 12000	44.8	46.3	50.9	53.9	56.6	56.8	58.1	59.3	59.3	60.1	60.2	60.4	60.8	60.8	61.5	62.2
GE 10000	47.4	48.8	53.6	57.0	59.8	60.1	61.5	63.0	63.0	63.9	64.0	64.1	64.5	64.6	65.2	65.9
GE 9000	47.5	49.0	53.7	57.1	60.0	60.4	61.7	63.3	63.3	64.1	64.2	64.4	64.8	64.8	65.5	66.2
GE 8000	49.9	51.5	56.5	60.4	63.5	63.9	65.5	67.2	67.2	68.2	68.4	68.5	69.0	69.0	69.6	70.3
GE 7000	51.4	53.0	58.2	62.1	65.2	65.6	67.2	68.8	68.8	69.9	70.1	70.2	70.7	70.7	71.3	72.0
GE 6000	51.9	53.5	58.7	62.5	65.7	66.1	67.6	69.3	69.3	70.4	70.5	70.7	71.2	71.2	71.8	72.5
GE 5000	53.5	55.0	60.2	64.1	67.4	67.8	69.3	71.0	71.0	72.1	72.2	72.4	72.8	72.8	73.5	74.2
GE 4500	54.3	55.9	61.2	65.1	68.4	68.7	70.3	72.0	72.0	73.1	73.2	73.3	73.8	73.8	74.4	75.2
GE 4000	55.0	56.6	62.1	66.2	69.5	69.8	71.5	73.2	73.2	74.3	74.5	74.7	75.2	75.2	75.8	76.5
GE 3500	55.5	57.1	62.5	66.7	70.1	70.4	72.1	73.8	73.8	74.9	75.2	75.3	75.8	75.8	76.4	77.1
GE 3000	56.2	57.8	63.9	68.0	71.4	71.8	73.6	75.3	75.3	76.4	76.6	76.7	77.2	77.2	77.8	78.5
GE 2500	56.5	58.2	64.2	68.4	71.8	72.1	73.9	75.6	75.6	76.7	77.0	77.1	77.6	77.6	78.2	78.9
GE 2000	56.8	58.5	64.7	69.2	72.6	73.1	75.0	76.7	77.0	78.1	78.3	78.4	78.9	78.9	79.5	80.2
GE 1800	56.8	58.5	64.7	69.3	72.7	73.2	75.2	76.8	77.1	78.2	78.4	78.5	79.0	79.0	79.6	80.4
GE 1500	57.2	59.0	65.3	70.1	73.7	74.3	76.2	77.9	78.2	79.4	79.6	79.8	80.2	80.2	80.8	81.6
GE 1200	57.6	59.5	66.3	71.4	75.0	75.6	77.8	79.5	79.8	81.0	81.2	81.3	81.8	81.8	82.4	83.3
GE 1000	57.8	59.8	66.5	71.6	75.4	76.0	78.2	79.9	80.1	81.5	81.7	81.8	82.3	82.3	82.9	83.8
GE 900	57.8	59.8	66.7	71.8	75.6	76.2	78.4	80.1	80.4	81.7	81.9	82.1	82.5	82.5	83.2	84.0
GE 800	58.5	60.5	67.9	73.1	77.5	78.1	80.4	82.1	82.3	83.8	84.0	84.1	84.6	84.6	85.2	86.1
GE 700	59.0	61.0	68.8	74.3	78.7	79.4	81.7	83.4	83.6	85.1	85.5	85.6	86.1	86.1	86.7	87.5
GE 600	59.0	61.0	69.0	74.7	79.4	80.1	82.7	84.6	84.8	86.7	87.0	87.2	87.6	87.6	88.2	89.1
GE 500	59.2	61.1	69.1	75.3	80.2	81.0	84.1	86.1	86.4	88.2	88.6	88.7	89.7	89.7	90.3	91.2
GE 400	59.2	61.1	69.3	75.5	80.7	81.6	84.7	87.4	88.0	90.8	91.4	91.5	92.7	92.7	93.3	94.2
GE 300	59.2	61.1	69.3	75.5	81.0	81.8	85.2	87.9	88.5	91.5	92.5	92.6	94.2	94.2	95.0	95.9
GE 200	59.2	61.1	69.3	75.5	81.0	81.8	85.2	87.9	88.5	91.5	92.7	93.0	94.5	94.7	96.0	97.6
GE 100	59.2	61.1	69.3	75.5	81.0	81.8	85.2	87.9	88.5	91.5	92.7	93.0	94.5	94.8	97.5	99.0
GE 000	59.2	61.1	69.3	75.5	81.0	81.8	85.2	87.9	88.5	91.5	92.7	93.0	94.5	94.8	97.6	100.0

TOTAL NUMBER OF OBSERVATIONS 825

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	48.6	50.5	52.8	54.4	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
GE 20000	53.0	55.6	58.5	60.1	60.7	60.7	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
GE 18000	53.9	56.5	59.5	61.0	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 16000	53.9	56.5	59.5	61.0	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
GE 14000	54.3	56.9	59.8	61.4	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 12000	55.8	58.5	61.5	63.2	63.7	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
GE 10000	57.5	60.2	63.3	65.0	65.8	65.8	65.9	65.9	65.9	66.0	66.0	66.0	66.0	66.0	66.0	66.0
GE 9000	57.9	60.8	64.2	66.0	66.7	66.7	66.8	66.8	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9
GE 8000	60.9	64.1	68.4	70.7	71.7	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0
GE 7000	62.0	65.4	69.7	72.2	73.1	73.2	73.3	73.3	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 6000	62.6	66.0	70.3	72.9	73.8	73.9	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 5000	63.9	67.3	71.7	74.3	75.2	75.4	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6
GE 4500	64.3	67.8	72.2	74.8	75.7	75.8	75.9	75.9	75.9	76.1	76.1	76.1	76.1	76.1	76.1	76.1
GE 4000	65.5	69.1	73.5	76.1	77.0	77.1	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
GE 3500	66.2	69.9	74.3	76.9	77.8	78.0	78.1	78.1	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 3000	67.3	71.0	75.4	78.0	78.9	79.0	79.1	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2500	67.5	71.3	75.7	78.3	79.3	79.4	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 2000	68.4	72.2	76.7	79.4	80.5	80.6	80.7	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9
GE 1800	68.5	72.3	76.9	79.6	80.8	80.9	81.0	81.2	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 1500	68.8	72.7	77.6	80.8	82.2	82.3	82.6	82.7	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 1200	69.8	73.9	79.0	82.5	84.0	84.1	84.5	84.6	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.0
GE 1000	70.6	75.0	80.3	83.9	85.5	85.7	86.1	86.3	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 900	70.9	75.2	80.7	84.2	86.1	86.5	87.0	87.1	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 800	71.6	75.9	82.0	85.5	87.8	88.4	89.0	89.5	89.6	90.0	90.0	90.0	90.0	90.0	90.0	90.0
GE 700	71.6	75.9	82.5	86.3	88.9	89.5	90.3	90.9	91.0	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 600	71.6	75.9	82.6	86.8	89.8	90.4	91.9	92.7	92.8	93.5	93.6	93.6	93.6	93.6	93.6	93.6
GE 500	71.6	76.1	82.7	87.4	90.5	91.1	93.2	94.2	94.4	95.3	95.4	95.4	95.7	95.7	95.7	95.7
GE 400	71.6	76.1	82.7	87.7	90.8	91.4	94.1	95.3	95.5	96.7	97.2	97.2	97.7	97.7	97.7	97.7
GE 300	71.6	76.1	82.7	87.7	90.8	91.5	94.3	96.0	96.2	97.5	98.1	98.1	98.8	99.1	99.1	99.1
GE 200	71.6	76.1	82.7	87.7	90.8	91.5	94.3	96.0	96.2	97.5	98.7	98.8	99.5	99.8	99.9	99.9
GE 100	71.6	76.1	82.7	87.7	90.8	91.5	94.3	96.0	96.2	97.5	98.7	98.8	99.5	99.8	100.0	100.0
GE 000	71.6	76.1	82.7	87.7	90.8	91.5	94.3	96.0	96.2	97.5	98.7	98.8	99.5	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 844

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.3	48.1	49.3	50.2	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
GE 20000	52.1	54.3	55.6	56.5	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
GE 18000	53.1	55.6	56.9	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
GE 16000	53.4	55.9	57.2	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 14000	53.8	56.3	57.6	58.6	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
GE 12000	55.5	58.0	60.0	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	57.6	60.3	62.4	63.3	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 9000	58.1	60.8	62.9	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
GE 8000	61.3	64.3	66.5	67.7	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
GE 7000	62.5	65.7	68.1	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 6000	63.2	66.4	68.8	70.0	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	64.5	67.9	70.7	71.9	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
GE 4500	65.1	68.6	71.4	72.6	73.0	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 4000	68.3	71.9	74.6	75.8	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
GE 3500	70.5	74.1	77.1	78.3	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
GE 3000	73.4	77.1	80.0	81.2	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
GE 2500	74.8	78.5	81.6	82.9	83.4	83.6	83.6	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
GE 2000	75.4	79.3	83.3	84.6	85.3	85.5	85.6	86.0	86.0	86.1	86.1	86.1	86.3	86.3	86.3	86.3
GE 1800	75.4	79.6	83.6	84.9	85.7	86.0	86.1	86.5	86.5	86.6	86.6	86.6	86.8	86.8	86.8	86.8
GE 1500	76.1	80.9	85.3	86.8	87.6	88.0	88.2	88.6	88.6	88.7	88.7	88.7	89.0	89.0	89.0	89.0
GE 1200	77.6	82.3	86.7	88.2	89.2	89.5	89.8	90.1	90.1	90.3	90.3	90.3	90.5	90.5	90.5	90.5
GE 1000	77.8	82.5	87.4	89.3	90.4	90.7	91.0	91.3	91.3	91.4	91.4	91.4	91.7	91.7	91.7	91.7
GE 900	78.0	83.0	88.1	90.5	91.8	92.2	92.5	93.2	93.2	93.3	93.3	93.3	93.7	93.7	93.7	93.7
GE 800	78.5	83.5	88.7	91.1	92.8	93.1	93.6	94.3	94.4	94.5	94.5	94.5	94.9	94.9	94.9	94.9
GE 700	78.5	83.5	88.7	91.6	93.7	94.1	95.0	95.7	95.8	96.1	96.1	96.1	96.4	96.4	96.4	96.4
GE 600	78.6	83.7	89.0	91.9	94.4	94.8	95.8	96.6	96.7	96.9	96.9	96.9	97.3	97.3	97.3	97.3
GE 500	78.7	83.8	89.1	92.2	95.1	95.7	96.9	97.6	97.7	98.0	98.1	98.1	98.6	98.6	98.6	98.6
GE 400	78.7	83.8	89.1	92.3	95.5	96.1	97.4	98.2	98.3	98.6	98.7	98.7	99.2	99.2	99.2	99.2
GE 300	78.7	83.8	89.1	92.3	95.5	96.1	97.5	98.7	98.8	99.0	99.2	99.2	99.8	99.8	99.8	99.8
GE 200	78.7	83.8	89.1	92.3	95.5	96.1	97.5	98.7	98.8	99.0	99.2	99.2	99.9	99.9	99.9	99.9
GE 100	78.7	83.8	89.1	92.3	95.5	96.1	97.5	98.7	98.8	99.0	99.2	99.2	100.0	100.0	100.0	100.0
GE 000	78.7	83.8	89.1	92.3	95.5	96.1	97.5	98.7	98.8	99.0	99.2	99.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 842

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.1	51.3	52.6	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 20000	55.4	57.7	59.1	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
GE 18000	56.5	58.8	60.3	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 16000	56.8	59.1	60.5	61.4	61.4	61.4	61.4	61.4	61.4	31.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 14000	57.9	60.3	61.7	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 12000	59.7	62.2	64.1	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
GE 10000	62.7	65.1	67.2	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 9000	64.1	66.5	68.6	69.9	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
GE 8000	67.8	70.4	72.6	74.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
GE 7000	68.3	71.3	73.6	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
GE 6000	69.5	72.6	74.9	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 5000	70.1	73.3	75.6	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
GE 4500	70.5	73.7	76.0	77.6	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
GE 4000	73.2	76.7	79.0	80.6	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 3500	74.5	77.9	80.3	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
GE 3000	77.3	80.8	83.3	85.1	85.5	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
GE 2500	78.3	81.9	84.9	86.8	87.2	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 2000	78.6	82.3	85.8	87.9	88.8	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 1800	79.0	82.7	86.3	88.6	89.5	90.0	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
GE 1500	79.6	83.5	87.1	89.4	90.4	90.9	91.4	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1200	80.0	84.1	87.7	90.0	91.2	91.7	92.4	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
GE 1000	80.1	84.6	88.5	90.8	92.1	92.6	93.3	93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
GE 900	80.3	84.9	88.7	91.0	92.4	92.9	93.8	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5
GE 800	80.4	85.0	88.8	91.2	93.2	93.7	94.6	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4
GE 700	80.4	85.0	89.0	91.7	94.0	94.6	95.6	96.3	96.4	96.5	96.8	96.8	96.8	96.8	96.8	96.8
GE 600	80.5	85.1	89.1	91.8	94.1	94.7	95.8	96.7	96.8	96.9	97.2	97.2	97.4	97.4	97.4	97.4
GE 500	80.6	85.3	89.4	92.1	94.7	95.5	96.5	97.4	97.6	97.7	97.9	97.9	98.2	98.2	98.2	98.2
GE 400	80.6	85.3	89.4	92.2	95.0	95.8	96.9	98.1	98.2	98.3	98.7	98.7	99.0	99.0	99.0	99.0
GE 300	80.6	85.3	89.4	92.2	95.3	96.0	97.4	98.7	98.8	99.0	99.4	99.4	99.7	99.7	99.7	99.7
GE 200	80.6	85.3	89.4	92.2	95.3	96.0	97.6	98.8	99.0	99.2	99.6	99.6	100.0	100.0	100.0	100.0
GE 100	80.6	85.3	89.4	92.2	95.3	96.0	97.6	98.8	99.0	99.2	99.6	99.6	100.0	100.0	100.0	100.0
GE 000	80.6	85.3	89.4	92.2	95.3	96.0	97.6	98.8	99.0	99.2	99.6	99.6	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 780

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	53.1	55.2	57.4	58.4	58.6	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 20000	58.2	60.3	62.9	63.8	64.0	64.0	64.2	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 18000	58.9	61.0	63.7	64.6	64.8	64.8	65.0	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 16000	59.1	61.2	63.8	64.8	65.0	65.0	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 14000	60.1	62.1	64.8	65.7	65.9	65.9	66.1	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3	66.3
GE 12000	62.1	64.2	67.6	68.5	68.7	68.7	69.1	69.1	69.1	69.3	69.3	69.3	69.3	69.3	69.3	69.3
GE 10000	63.7	65.7	69.1	70.4	70.8	70.8	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 9000	64.2	66.3	69.7	71.0	71.4	71.4	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 8000	66.1	68.2	71.6	72.9	73.6	73.8	74.2	74.2	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4
GE 7000	66.7	68.9	72.9	74.2	75.0	75.1	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7
GE 6000	67.8	70.1	74.0	75.3	76.1	76.3	76.6	76.6	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8
GE 5000	69.5	71.8	76.3	77.6	78.3	78.5	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
GE 4500	69.7	72.1	76.6	78.0	78.7	78.9	79.3	79.3	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5
GE 4000	70.6	73.4	78.3	79.7	80.8	81.0	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
GE 3500	71.4	74.2	79.5	81.0	82.1	82.3	82.7	82.7	82.7	83.1	83.1	83.1	83.1	83.1	83.1	83.1
GE 3000	74.2	77.0	82.7	84.4	85.5	85.7	86.1	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6
GE 2500	76.3	79.3	85.5	87.2	88.3	88.5	89.1	89.3	89.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6
GE 2000	77.0	80.0	86.6	88.3	89.5	89.6	91.0	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1800	77.0	80.0	86.6	88.3	89.5	89.6	91.0	91.1	91.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5
GE 1500	77.0	80.0	86.6	88.3	89.5	89.6	91.0	91.3	91.3	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 1200	77.0	80.0	86.6	88.5	89.8	90.0	91.9	92.3	92.3	92.7	92.7	92.7	92.7	92.7	92.7	92.7
GE 1000	77.0	80.0	87.0	88.9	90.4	90.6	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.2	93.2
GE 900	77.0	80.4	87.4	89.3	90.8	91.0	93.0	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 800	77.0	80.4	87.4	89.3	90.8	91.0	93.0	93.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
GE 700	77.0	80.4	87.4	89.3	90.8	91.0	93.6	94.4	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7
GE 600	77.0	80.4	87.4	89.3	91.1	91.3	94.5	95.3	95.3	95.9	95.9	95.9	96.2	96.2	96.2	96.2
GE 500	77.0	80.4	87.4	89.5	91.3	91.5	94.7	95.5	95.5	96.0	96.0	96.0	96.4	96.4	96.4	96.4
GE 400	77.0	80.4	87.4	89.8	91.7	91.9	95.3	96.0	96.0	96.6	96.6	96.6	97.2	97.2	97.2	97.2
GE 300	77.0	80.4	87.4	89.8	91.7	91.9	95.5	96.4	96.4	97.4	97.6	97.7	98.5	98.5	98.5	98.5
GE 200	77.0	80.4	87.4	89.8	91.7	91.9	95.7	96.8	96.8	97.9	98.3	98.5	99.6	99.6	99.6	99.6
GE 100	77.0	80.4	87.4	89.8	91.7	91.9	95.7	96.8	96.8	97.9	98.3	98.5	99.8	99.8	99.8	100.0
GE 000	77.0	80.4	87.4	89.8	91.7	91.9	95.7	96.8	96.8	97.9	98.3	98.5	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 531

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
GE 20000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 18000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 14000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 12000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 9000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 8000	66.7	66.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 7000	66.7	66.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 6000	66.7	66.7	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 5000	68.9	68.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4500	68.9	68.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
GE 4000	71.1	71.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
GE 3500	73.3	73.3	75.6	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
GE 3000	75.6	80.0	82.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
GE 2500	80.0	84.4	86.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
GE 2000	82.2	88.9	91.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
GE 1800	82.2	91.1	93.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
GE 1500	84.4	93.3	95.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
GE 1200	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	86.7	95.6	97.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 45

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	46.6	48.2	50.2	51.6	52.4	52.5	52.8	53.1	53.1	53.3	53.3	53.4	53.5	53.5	53.7	53.9
GE 20000	51.3	53.3	55.7	57.2	58.1	58.2	58.5	58.7	58.7	59.0	59.0	59.0	59.2	59.2	59.4	59.6
GE 18000	52.1	54.2	56.7	58.1	59.0	59.1	59.4	59.7	59.7	59.9	59.9	60.0	60.1	60.1	60.3	60.5
GE 16000	52.3	54.4	56.8	58.3	59.1	59.2	59.6	59.8	59.8	60.1	60.1	60.1	60.3	60.3	60.5	60.7
GE 14000	52.9	55.0	57.4	58.9	59.7	59.8	60.2	60.4	60.4	60.7	60.7	60.7	60.9	60.9	61.1	61.3
GE 12000	54.3	56.5	59.4	60.9	61.9	62.0	62.3	62.6	62.6	62.9	62.9	62.9	63.1	63.1	63.3	63.5
GE 10000	56.5	58.7	61.8	63.5	64.5	64.7	65.1	65.4	65.4	65.7	65.7	65.8	65.9	65.9	66.1	66.3
GE 9000	57.1	59.3	62.4	64.2	65.3	65.4	65.8	66.2	66.2	66.5	66.5	66.5	66.7	66.7	66.9	67.1
GE 8000	59.9	62.3	65.7	67.8	69.1	69.2	69.7	70.1	70.1	70.4	70.4	70.5	70.6	70.6	70.8	71.0
GE 7000	60.9	63.5	67.1	69.2	70.5	70.7	71.1	71.5	71.5	71.8	71.9	71.9	72.1	72.1	72.3	72.4
GE 6000	61.7	64.3	67.9	70.0	71.3	71.5	71.9	72.3	72.3	72.6	72.6	72.7	72.8	72.8	73.0	73.2
GE 5000	63.0	65.6	69.4	71.6	72.9	73.1	73.6	74.0	74.0	74.3	74.3	74.4	74.5	74.5	74.7	74.9
GE 4500	63.5	66.2	70.0	72.2	73.5	73.7	74.1	74.6	74.6	74.9	74.9	75.0	75.1	75.1	75.3	75.5
GE 4000	65.3	68.1	72.0	74.3	75.7	75.9	76.4	76.8	76.8	77.1	77.2	77.2	77.4	77.4	77.6	77.7
GE 3500	66.4	69.3	73.2	75.6	77.0	77.3	77.7	78.1	78.2	78.5	78.6	78.6	78.8	78.8	79.0	79.2
GE 3000	68.4	71.3	75.5	77.9	79.4	79.7	80.2	80.7	80.7	81.0	81.1	81.1	81.3	81.3	81.5	81.7
GE 2500	69.3	72.4	76.7	79.2	80.7	81.0	81.5	82.0	82.0	82.4	82.4	82.5	82.6	82.6	82.8	83.0
GE 2000	69.9	73.1	77.8	80.5	82.1	82.4	83.1	83.7	83.8	84.1	84.2	84.2	84.4	84.4	84.6	84.8
GE 1800	70.0	73.2	78.1	80.8	82.5	82.8	83.5	84.1	84.2	84.6	84.6	84.7	84.9	84.9	85.1	85.3
GE 1500	70.5	73.9	79.0	81.9	83.7	84.1	84.9	85.5	85.6	86.1	86.1	86.2	86.3	86.3	86.5	86.7
GE 1200	71.2	74.8	80.0	83.0	85.0	85.4	86.4	87.0	87.1	87.6	87.6	87.7	87.9	87.9	88.0	88.3
GE 1000	71.5	75.2	80.7	83.8	85.9	86.3	87.4	88.0	88.1	88.6	88.6	88.7	88.9	88.9	89.1	89.3
GE 900	71.6	75.4	81.0	84.3	86.5	86.9	88.1	88.8	88.9	89.4	89.5	89.5	89.7	89.7	89.9	90.2
GE 800	72.0	75.9	81.7	85.0	87.6	88.0	89.3	90.1	90.2	90.8	90.8	90.9	91.1	91.1	91.3	91.5
GE 700	72.1	75.9	82.0	85.6	88.4	88.9	90.4	91.4	91.5	92.1	92.2	92.3	92.5	92.5	92.7	92.9
GE 600	72.2	76.0	82.1	85.9	89.0	89.6	91.4	92.4	92.5	93.2	93.4	93.4	93.8	93.8	94.0	94.2
GE 500	72.3	76.1	82.3	86.3	89.7	90.3	92.4	93.5	93.7	94.5	94.6	94.7	95.2	95.2	95.4	95.6
GE 400	72.3	76.1	82.4	86.5	90.1	90.7	93.1	94.5	94.8	95.8	96.1	96.2	96.8	96.8	97.0	97.3
GE 300	72.3	76.1	82.4	86.5	90.2	90.9	93.5	95.0	95.3	96.5	96.9	97.0	97.9	97.9	98.2	98.4
GE 200	72.3	76.1	82.4	86.5	90.2	90.9	93.5	95.1	95.4	96.6	97.3	97.5	98.4	98.4	98.8	99.2
GE 100	72.3	76.1	82.4	86.5	90.2	90.9	93.5	95.1	95.4	96.6	97.4	97.5	98.5	98.6	99.3	99.8
GE 000	72.3	76.1	82.4	86.5	90.2	90.9	93.5	95.1	95.4	96.6	97.4	97.5	98.5	98.6	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 4058

D - 2 - 77

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 00-02

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 20000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 18000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 16000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 14000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 12000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 10000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 9000	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0	50.0
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	47.4	49.4	53.8	55.1	60.3	60.3	60.9	62.2	62.8	64.1	64.1	64.1	64.7	64.7	65.4	65.4
GE 20000	48.1	50.0	54.5	55.8	60.9	60.9	61.5	62.8	63.5	64.7	64.7	64.7	65.4	65.4	66.0	66.0
GE 18000	48.1	50.0	54.5	55.8	60.9	60.9	61.5	62.8	63.5	64.7	64.7	64.7	65.4	65.4	66.0	66.0
GE 16000	48.1	50.0	54.5	55.8	60.9	60.9	61.5	62.8	63.5	64.7	64.7	64.7	65.4	65.4	66.0	66.0
GE 14000	48.7	50.6	55.1	56.4	61.5	61.5	62.2	63.5	64.1	65.4	65.4	65.4	66.0	66.0	66.7	66.7
GE 12000	50.0	51.9	56.4	57.7	62.8	62.8	63.5	64.7	65.4	66.7	66.7	66.7	67.3	67.3	67.9	67.9
GE 10000	51.3	53.2	57.7	59.0	64.1	64.1	64.7	66.0	66.7	67.9	67.9	67.9	68.6	68.6	69.2	69.2
GE 9000	51.3	53.2	57.7	59.0	64.1	64.1	64.7	66.0	66.7	67.9	67.9	67.9	68.6	68.6	69.2	69.2
GE 8000	53.8	55.8	60.3	61.5	66.7	66.7	67.3	68.6	69.2	70.5	70.5	70.5	71.2	71.2	71.8	71.8
GE 7000	55.1	57.1	61.5	62.8	69.2	69.2	69.9	71.2	71.8	73.1	73.1	73.1	73.7	73.7	74.4	74.4
GE 6000	55.8	57.7	62.2	63.5	69.9	69.9	70.5	71.8	72.4	73.7	73.7	73.7	74.4	74.4	75.0	75.0
GE 5000	57.7	59.6	64.1	65.4	72.4	72.4	73.1	74.4	75.0	76.3	76.3	76.3	76.9	76.9	77.6	77.6
GE 4500	57.7	59.6	64.1	65.4	73.1	73.1	73.7	75.0	75.6	76.9	76.9	76.9	77.6	77.6	78.2	78.2
GE 4000	60.9	62.8	67.3	68.6	77.6	77.6	78.2	79.5	80.1	81.4	81.4	81.4	82.1	82.1	82.7	82.7
GE 3500	61.5	63.5	67.9	69.2	78.2	78.2	78.8	80.1	80.8	82.1	82.1	82.1	82.7	82.7	83.3	83.3
GE 3000	62.2	64.1	69.2	70.5	80.1	80.1	80.8	82.1	82.7	84.0	84.6	84.6	85.3	85.3	85.9	85.9
GE 2500	62.2	64.1	69.2	70.5	80.1	80.1	80.8	82.1	82.7	84.0	84.6	84.6	85.3	85.3	85.9	85.9
GE 2000	62.2	64.1	69.2	70.5	80.1	80.1	80.8	82.1	82.7	84.0	84.6	84.6	85.3	85.3	85.9	85.9
GE 1800	62.2	64.1	69.2	70.5	80.1	80.1	80.8	82.1	82.7	84.0	84.6	84.6	85.3	85.3	85.9	85.9
GE 1500	62.2	64.1	69.2	70.5	80.1	80.1	80.8	82.1	82.7	84.0	84.6	84.6	85.3	85.3	85.9	85.9
GE 1200	62.8	64.7	69.9	71.2	80.8	80.8	81.4	82.7	83.3	84.6	85.3	85.3	85.9	85.9	86.5	86.5
GE 1000	62.8	64.7	69.9	71.2	81.4	81.4	82.1	83.3	84.0	85.9	86.5	86.5	87.2	87.2	87.8	87.8
GE 900	62.8	64.7	69.9	71.2	81.4	81.4	82.1	83.3	84.0	85.9	86.5	86.5	87.2	87.2	87.8	87.8
GE 800	62.8	64.7	69.9	71.2	81.4	81.4	82.1	83.3	84.0	85.9	86.5	86.5	87.2	87.2	87.8	87.8
GE 700	62.8	64.7	69.9	71.2	81.4	81.4	82.1	83.3	84.0	85.9	87.2	87.2	87.8	87.8	88.5	88.5
GE 600	62.8	64.7	69.9	71.2	81.4	81.4	82.1	83.3	84.0	85.9	87.2	87.2	88.5	88.5	89.1	89.1
GE 500	62.8	64.7	69.9	71.2	82.1	82.1	82.7	84.0	84.6	87.2	88.5	88.5	90.4	90.4	91.0	91.7
GE 400	62.8	64.7	69.9	71.2	82.1	82.1	83.3	85.3	85.9	90.4	91.7	91.7	93.6	93.6	94.2	94.9
GE 300	62.8	64.7	69.9	71.2	83.3	83.3	84.6	86.5	87.2	91.7	92.9	92.9	94.9	94.9	95.5	96.2
GE 200	62.8	64.7	69.9	71.2	83.3	83.3	84.6	86.5	87.2	91.7	92.9	92.9	95.5	95.5	96.8	98.1
GE 100	62.8	64.7	69.9	71.2	83.3	83.3	84.6	86.5	87.2	91.7	92.9	92.9	95.5	95.5	98.1	99.4
GE 000	62.8	64.7	69.9	71.2	83.3	83.3	84.6	86.5	87.2	91.7	92.9	92.9	96.2	96.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 156

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.4	46.1	48.5	51.0	52.4	52.6	53.0	53.3	53.3	53.6	53.9	53.9	54.2	54.2	54.8	55.1
GE 20000	47.4	49.1	51.6	54.2	55.8	55.9	56.5	56.9	56.9	57.2	57.5	57.5	58.1	58.1	58.7	59.0
GE 18000	47.4	49.1	51.7	54.4	55.9	56.0	56.6	57.0	57.0	57.3	57.6	57.6	58.2	58.2	58.8	59.1
GE 16000	47.8	49.5	52.1	54.7	56.3	56.4	57.0	57.3	57.3	57.7	57.9	57.9	58.5	58.5	59.1	59.5
GE 14000	47.8	49.5	52.1	54.7	56.3	56.4	57.0	57.3	57.3	57.7	57.9	57.9	58.5	58.5	59.1	59.5
GE 12000	48.4	50.1	53.2	56.0	57.6	57.7	58.4	58.8	58.8	59.1	59.4	59.4	60.0	60.0	60.6	60.9
GE 10000	49.6	51.3	54.4	57.5	59.3	59.4	60.1	60.5	60.5	60.8	61.1	61.1	61.6	61.6	62.4	62.7
GE 9000	49.6	51.4	54.6	57.7	59.5	59.6	60.3	60.7	60.7	61.1	61.3	61.3	61.9	61.9	62.6	63.0
GE 8000	52.1	54.1	57.6	61.3	63.4	63.6	64.6	65.0	65.0	65.4	65.8	65.8	66.4	66.4	67.1	67.5
GE 7000	53.2	55.2	58.7	62.4	64.9	65.0	66.1	66.5	66.5	66.9	67.4	67.4	68.0	68.0	68.7	69.1
GE 6000	53.6	55.7	59.1	62.8	65.6	65.7	67.1	67.6	67.6	68.0	68.5	68.5	69.1	69.1	69.8	70.1
GE 5000	54.6	56.8	60.2	63.9	66.7	66.8	68.2	68.7	68.7	69.1	69.5	69.5	70.1	70.1	70.8	71.2
GE 4500	56.0	58.2	61.9	65.9	68.7	68.9	70.7	71.2	71.2	71.6	72.0	72.0	72.6	72.6	73.4	73.7
GE 4000	57.0	59.6	63.4	67.9	71.1	71.3	73.1	73.6	73.6	74.0	74.4	74.4	75.0	75.0	75.7	76.1
GE 3500	58.4	61.1	65.1	69.7	73.4	73.6	75.6	76.1	76.1	76.5	76.9	76.9	77.5	77.5	78.3	78.6
GE 3000	60.0	62.6	66.8	71.7	75.4	75.6	77.7	78.1	78.1	78.5	79.2	79.2	79.8	79.8	80.5	80.9
GE 2500	60.9	63.6	68.1	73.1	76.9	77.2	79.2	79.7	79.7	80.0	80.8	80.8	81.4	81.4	82.1	82.4
GE 2000	61.1	63.7	68.5	73.6	77.5	77.8	79.8	80.3	80.3	80.6	81.4	81.4	82.0	82.0	82.7	83.0
GE 1800	61.1	63.7	68.6	73.8	78.0	78.3	80.3	80.9	80.9	81.2	82.0	82.0	82.6	82.6	83.3	83.6
GE 1500	61.4	64.0	68.9	74.2	78.5	78.7	80.9	81.5	81.5	82.0	82.7	82.7	83.3	83.3	84.0	84.3
GE 1200	61.5	64.3	69.2	74.4	79.0	79.2	81.4	82.1	82.1	82.6	83.3	83.3	83.9	83.9	84.6	84.9
GE 1000	61.6	64.4	69.7	74.9	79.6	79.8	82.2	82.9	82.9	83.4	84.1	84.1	84.8	84.8	85.5	85.9
GE 900	61.6	64.4	69.7	74.9	79.6	79.8	82.4	83.2	83.2	83.6	84.3	84.3	85.1	85.1	85.8	86.1
GE 800	61.9	64.6	69.9	75.1	79.8	80.2	82.9	83.6	83.6	84.1	84.8	84.8	85.5	85.5	86.3	86.6
GE 700	61.9	64.6	69.9	75.3	79.9	80.3	83.3	84.0	84.0	84.6	85.4	85.4	86.1	86.1	86.9	87.2
GE 600	62.0	64.8	70.0	75.4	80.0	80.4	83.5	84.3	84.3	84.9	86.0	86.0	86.7	86.7	87.5	87.8
GE 500	62.1	64.9	70.1	75.5	80.6	81.2	84.9	86.0	86.1	86.7	87.8	87.8	88.9	88.9	89.6	90.2
GE 400	62.1	64.9	70.1	75.5	81.0	82.0	86.1	87.3	87.5	88.4	89.8	90.0	91.4	91.4	92.2	92.8
GE 300	62.1	64.9	70.1	75.5	81.0	82.0	86.4	87.6	87.7	88.9	91.0	91.4	93.5	93.5	94.7	95.6
GE 200	62.1	64.9	70.1	75.5	81.0	82.0	86.4	87.6	87.7	89.4	91.9	92.2	95.0	95.1	96.7	97.7
GE 100	62.1	64.9	70.1	75.5	81.0	82.0	86.4	87.6	87.7	89.4	91.9	92.2	95.0	95.1	97.3	99.6
GE 000	62.1	64.9	70.1	75.5	81.0	82.0	86.4	87.6	87.7	89.4	91.9	92.2	95.0	95.1	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 837

D - 2 - 80

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.1	51.0	52.4	54.0	54.2	54.2	54.2	54.2	54.2	54.4	54.4	54.4	54.4	54.4	54.4	54.4
GE 20000	54.2	55.3	57.0	58.6	58.8	58.8	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 18000	54.8	55.8	57.5	59.1	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 16000	54.8	55.8	57.5	59.1	59.3	59.3	59.3	59.3	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5
GE 14000	54.9	55.9	57.6	59.2	59.5	59.5	59.5	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
GE 12000	56.1	57.1	59.2	60.8	61.0	61.0	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 10000	57.4	58.6	60.7	62.4	62.7	62.7	62.7	62.7	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 9000	57.9	59.1	61.4	63.2	63.6	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 8000	61.5	63.2	65.7	67.6	68.2	68.2	68.3	68.3	68.3	68.4	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	62.4	64.1	66.6	68.5	69.1	69.1	69.2	69.2	69.2	69.3	69.4	69.4	69.4	69.4	69.4	69.4
GE 6000	62.6	64.4	67.0	69.0	69.5	69.5	69.6	69.6	69.6	69.8	69.9	69.9	69.9	69.9	69.9	69.9
GE 5000	63.8	65.6	68.2	70.1	70.7	70.7	70.8	70.8	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0
GE 4500	64.9	66.7	69.3	71.3	71.9	71.9	72.0	72.0	72.0	72.1	72.3	72.3	72.3	72.3	72.3	72.3
GE 4000	67.3	69.3	72.0	74.1	74.6	74.6	74.7	74.7	74.7	74.9	75.0	75.0	75.0	75.0	75.0	75.0
GE 3500	69.9	71.9	74.9	76.9	77.7	77.7	77.8	77.8	77.8	77.9	78.0	78.0	78.0	78.0	78.0	78.0
GE 3000	72.5	74.5	77.7	79.7	80.6	80.6	80.7	80.9	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1
GE 2500	74.0	76.2	79.5	81.5	82.6	82.6	82.7	82.8	82.8	82.9	83.0	83.0	83.0	83.0	83.0	83.0
GE 2000	74.6	77.0	80.3	82.9	84.0	84.0	84.1	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.6
GE 1800	74.9	77.2	80.6	83.2	84.5	84.5	84.6	84.8	84.8	84.9	85.1	85.1	85.1	85.1	85.1	85.1
GE 1500	75.7	78.0	81.4	84.4	85.7	85.7	86.3	86.9	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1
GE 1200	76.1	78.5	81.9	84.8	86.4	86.4	87.1	87.8	87.8	87.9	88.0	88.0	88.0	88.0	88.0	88.0
GE 1000	76.6	78.9	82.7	86.1	87.8	87.8	88.7	89.5	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.7
GE 900	76.6	78.9	82.7	86.2	88.0	88.0	89.0	89.8	89.8	89.9	90.0	90.0	90.0	90.0	90.0	90.0
GE 800	76.7	79.0	82.8	86.4	88.2	88.3	89.4	90.1	90.1	90.3	90.4	90.4	90.4	90.4	90.4	90.4
GE 700	76.7	79.0	83.0	86.7	88.8	89.2	90.5	91.3	91.3	91.5	91.6	91.6	91.6	91.6	91.6	91.6
GE 600	76.7	79.0	83.0	86.7	89.4	89.8	91.2	92.0	92.0	92.3	92.4	92.4	92.4	92.4	92.4	92.4
GE 500	76.7	79.0	83.0	87.1	89.8	90.4	92.1	93.0	93.0	93.3	93.7	93.7	93.7	93.7	93.7	93.8
GE 400	76.7	79.0	83.0	87.1	89.8	90.7	92.6	94.1	94.1	94.8	95.4	95.4	95.4	95.4	95.4	95.5
GE 300	76.7	79.0	83.0	87.1	89.9	90.8	93.2	94.8	94.8	95.7	96.6	96.9	97.8	97.8	97.8	98.1
GE 200	76.7	79.0	83.0	87.1	89.9	90.8	93.2	94.9	94.9	95.8	96.9	97.3	98.4	98.5	99.2	99.4
GE 100	76.7	79.0	83.0	87.1	89.9	90.8	93.2	94.9	94.9	95.8	96.9	97.3	98.4	98.5	99.3	99.9
GE 000	76.7	79.0	83.0	87.1	89.9	90.8	93.2	94.9	94.9	95.8	96.9	97.3	98.4	98.5	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 883

D - 2 - 81

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.3	50.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 20000	54.4	55.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0
GE 18000	55.1	56.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
GE 16000	55.1	56.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
GE 14000	55.1	56.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8
GE 12000	56.2	57.6	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0	59.0	59.0
GE 10000	58.4	59.8	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4
GE 9000	59.3	60.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.5	62.5	62.5	62.5
GE 8000	62.9	64.6	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3
GE 7000	63.4	65.1	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.8	66.8	66.8	66.8
GE 6000	63.8	65.6	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.3	67.3	67.3	67.3
GE 5000	64.4	66.2	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.9	67.9	67.9	67.9
GE 4500	66.7	68.6	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.4
GE 4000	70.3	72.2	73.8	73.9	73.9	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4
GE 3500	74.2	76.2	78.2	78.3	78.3	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7
GE 3000	77.7	79.9	81.8	82.0	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5
GE 2500	79.4	81.6	83.8	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84.5	84.5
GE 2000	81.2	83.5	86.1	86.5	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE 1800	81.5	83.7	86.3	86.9	87.0	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
GE 1500	82.4	85.0	87.7	88.7	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6
GE 1200	82.9	85.7	88.6	89.8	90.1	90.6	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0
GE 1000	83.0	85.8	88.9	90.2	90.9	91.4	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9
GE 900	83.4	86.1	89.4	90.8	91.6	92.0	92.5	92.5	92.5	92.6	92.6	92.6	92.7	92.7	92.7	92.7
GE 800	83.4	86.1	89.4	91.0	92.2	92.6	93.1	93.1	93.1	93.2	93.2	93.2	93.3	93.3	93.3	93.3
GE 700	83.4	86.1	89.6	91.4	92.6	93.4	93.9	93.9	93.9	94.1	94.1	94.1	94.2	94.2	94.2	94.2
GE 600	83.4	86.1	89.6	91.4	92.9	93.7	94.9	95.0	95.0	95.2	95.3	95.3	95.7	95.7	95.7	95.7
GE 500	83.4	86.1	89.8	91.6	93.4	94.2	95.4	95.6	95.6	95.8	95.9	95.9	96.2	96.2	96.2	96.2
GE 400	83.4	86.1	89.8	91.8	93.6	94.5	96.0	96.2	96.2	96.5	96.6	96.6	96.9	96.9	97.2	97.3
GE 300	83.4	86.1	89.8	91.8	93.6	94.5	96.2	96.6	96.6	97.4	97.5	97.7	98.4	98.4	98.6	98.7
GE 200	83.4	86.1	89.8	91.8	93.6	94.5	96.2	96.8	96.8	97.7	98.2	98.5	99.4	99.4	99.8	99.9
GE 100	83.4	86.1	89.8	91.8	93.6	94.5	96.2	96.8	96.8	97.7	98.2	98.5	99.4	99.4	99.8	100.0
GE 000	83.4	86.1	89.8	91.8	93.6	94.5	96.2	96.8	96.8	97.7	98.2	98.5	99.4	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 879

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	52.5	52.6	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
GE 20000	56.6	57.0	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
GE 18000	57.4	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 16000	57.4	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 14000	57.4	57.7	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
GE 12000	58.2	58.8	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
GE 10000	59.9	60 7	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
GE 9000	60.5	61.3	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 8000	64.9	65.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 7000	66.7	67.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
GE 6000	67.6	68.5	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
GE 5000	68.7	69.8	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
GE 4500	70.0	71.4	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
GE 4000	73.2	74.7	76.4	76.5	76.5	76.9	76.9	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0
GE 3500	76.2	77.8	79.7	79.8	79.8	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.3	80.3	80.3	80.3
GE 3000	80.0	81.9	84.3	84.5	84.5	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.0
GE 2500	81.0	83.1	85.5	85.9	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	87.0	87.0	87.0	87.0
GE 2000	82.2	84.3	87.0	87.6	88.2	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3
GE 1800	82.2	84.3	87.0	87.8	88.4	89.0	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6
GE 1500	83.1	85.3	88.1	89.0	89.9	90.6	91.1	91.1	91.1	91.2	91.2	91.2	91.4	91.4	91.4	91.4
GE 1200	83.3	85.5	88.4	89.4	90.4	91.1	91.6	91.6	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8
GE 1000	83.3	85.5	88.6	89.6	90.6	91.4	91.8	92.1	92.1	92.2	92.2	92.2	92.3	92.3	92.3	92.3
GE 900	83.6	85.7	89.0	90.1	91.2	92.0	92.4	92.7	92.7	92.8	93.2	93.2	93.3	93.3	93.3	93.3
GE 800	83.6	85.7	89.0	90.4	91.6	92.4	93.2	93.5	93.5	93.7	94.0	94.0	94.2	94.2	94.2	94.2
GE 700	83.8	86.0	89.3	90.9	92.2	93.2	93.9	94.3	94.3	94.5	95.1	95.1	95.2	95.2	95.2	95.2
GE 600	83.8	86.0	89.3	90.9	92.2	93.2	94.0	94.6	94.6	94 9	95.5	95.5	95.7	95.7	95.7	95.7
GE 500	83.8	86.0	89.3	90.9	92.3	93.5	94.6	95.2	95.2	95.9	96.5	96.5	96.7	96.7	96.8	97.0
GE 400	83.8	86.0	89.3	90.9	92.3	93.5	94.8	95.4	95.4	96.2	97.0	97.0	97.2	97.2	97.3	97.4
GE 300	83.8	86.0	89.3	90.9	92.6	93.8	95.0	95.9	96.0	97.0	97.9	98.1	98.5	98.5	98.7	98.8
GE 200	83.8	86.0	89.3	90.9	92.6	93.8	95.0	95.9	96.0	97.0	97.9	98.1	98.9	98.9	99.3	99.4
GE 100	83.8	86.0	89.3	90.9	92.6	93.8	95.0	95.9	96.0	97.2	98.2	98.3	99.4	99.4	99.9	100.0
GE 000	83.8	86.0	89.3	90.9	92.6	93.8	95.0	95.9	96.0	97.2	98.2	98.3	99.4	99.4	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 821

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	56.7	57.0	58.8	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.5
GE 20000	59.2	59.5	61.9	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6
GE 18000	59.9	60.2	62.6	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 16000	59.9	60.2	62.6	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 14000	59.9	60.2	62.6	62.9	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.3
GE 12000	61.0	61.3	63.6	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3
GE 10000	64.0	64.3	66.7	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.4
GE 9000	64.3	64.7	67.0	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.7
GE 8000	67.9	68.3	70.8	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.5
GE 7000	70.2	70.8	73.3	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	74.0
GE 6000	71.1	71.7	74.2	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
GE 5000	73.1	73.6	76.1	76.6	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0
GE 4500	73.3	74.0	77.2	77.7	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.1
GE 4000	74.9	75.6	79.1	80.0	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.9	80.9	80.9	81.1
GE 3500	76.6	77.7	81.5	82.4	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.4
GE 3000	78.3	79.5	84.0	84.8	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.9
GE 2500	78.6	79.9	84.5	85.4	85.9	86.1	86.6	86.6	86.6	86.6	86.6	86.6	86.8	86.8	86.8	87.0
GE 2000	80.0	81.3	85.9	87.2	87.9	88.1	88.8	88.8	88.8	88.8	88.8	88.8	89.1	89.1	89.1	89.3
GE 1800	80.0	81.3	85.9	87.2	87.9	88.1	88.8	88.8	88.8	88.8	88.8	88.8	89.1	89.1	89.1	89.3
GE 1500	80.4	81.6	86.3	87.7	88.8	88.9	89.7	89.7	89.7	89.7	89.7	89.7	90.0	90.0	90.0	90.2
GE 1200	81.1	82.4	87.2	88.6	89.7	89.8	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9	91.1
GE 1000	81.8	83.1	87.9	89.3	90.4	90.6	91.4	91.6	91.6	91.6	91.6	91.6	92.0	92.0	92.0	92.2
GE 900	81.8	83.1	87.9	89.3	90.4	90.6	91.4	91.6	91.6	91.6	91.8	91.8	92.2	92.2	92.2	92.3
GE 800	81.8	83.1	87.9	89.5	91.1	91.3	92.2	92.3	92.3	92.5	92.7	92.7	93.0	93.0	93.0	93.2
GE 700	82.0	83.2	88.2	89.8	91.4	91.6	92.5	92.7	92.7	92.9	93.2	93.2	93.9	93.9	93.9	94.1
GE 600	82.0	83.2	88.2	89.8	91.4	91.6	92.5	92.9	92.9	93.2	93.6	93.6	94.3	94.3	94.3	94.5
GE 500	82.2	83.4	88.6	90.2	91.8	92.0	92.9	93.2	93.2	93.8	94.3	94.3	95.0	95.0	95.2	95.4
GE 400	82.2	83.4	88.6	90.2	92.0	92.2	93.2	93.6	93.6	94.[illegible]	94.8	94.8	95.7	95.7	95.9	96.1
GE 300	82.2	83.4	88.6	90.4	92.2	92.5	93.6	93.9	93.9	94.5	95.2	95.2	96.4	96.6	96.8	97.0
GE 200	82.2	83.4	88.6	90.4	92.2	92.7	93.8	94.1	94.1	94.7	95.5	95.5	97.0	97.1	97.9	98.6
GE 100	82.2	83.4	88.6	90.4	92.2	92.7	93.8	94.1	94.1	94.7	95.5	95.7	98.0	98.2	98.9	99.6
GE 000	82.2	83.4	88.6	90.4	92.2	92.7	93.8	94.1	94.1	94.7	95.5	95.7	98.0	98.2	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 561

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	62.7	62.7	62.7	62.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
GE 20000	66.7	66.7	66.7	66.7	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
GE 18000	68.6	68.6	68.6	68.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 16000	68.6	68.6	68.6	68.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 14000	68.6	68.6	68.6	68.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 12000	68.6	68.6	68.6	68.6	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 10000	70.6	70.6	70.6	70.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 9000	70.6	70.6	70.6	70.6	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
GE 8000	78.4	78.4	78.4	78.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
GE 7000	80.4	80.4	80.4	80.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 6000	80.4	80.4	80.4	80.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 5000	80.4	80.4	80.4	80.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4500	80.4	80.4	80.4	80.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 4000	80.4	80.4	80.4	80.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3500	80.4	80.4	80.4	80.4	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 3000	82.4	82.4	82.4	82.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2500	82.4	82.4	82.4	82.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 2000	82.4	82.4	82.4	82.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	88.2	88.2	88.2	88.2
GE 1800	82.4	82.4	82.4	82.4	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	88.2	88.2	88.2	88.2
GE 1500	82.4	82.4	84.3	84.3	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	90.2	90.2	90.2	90.2
GE 1200	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	92.2	92.2	92.2	92.2
GE 1000	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	92.2	92.2	92.2	92.2
GE 900	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	92.2	92.2	92.2	92.2
GE 800	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	92.2	92.2	92.2	92.2
GE 700	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	94.1	94.1	94.1	94.1
GE 600	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	94.1	94.1	94.1	94.1
GE 500	84.3	84.3	86.3	86.3	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	94.1	94.1	94.1	94.1
GE 400	84.3	84.3	86.3	86.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	96.1	96.1	96.1	96.1
GE 300	84.3	84.3	86.3	86.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	96.1	96.1	96.1	96.1
GE 200	84.3	84.3	86.3	86.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	96.1	96.1	96.1	96.1
GE 100	84.3	84.3	86.3	86.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	98.0	98.0	98.0	98.0
GE 000	84.3	84.3	86.3	86.3	90.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 51

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIR MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: OCT HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.4	51.2	52.8	53.7	54.3	54.3	54.5	54.6	54.6	54.7	54.8	54.8	54.9	54.9	55.0	55.1
GE 20000	54.0	55.0	56.7	57.7	58.3	58.3	58.5	58.6	58.6	58.8	58.8	58.8	59.0	59.0	59.1	59.2
GE 18000	54.5	55.5	57.3	58.3	58.9	58.9	59.0	59.2	59.2	59.3	59.4	59.4	59.5	59.5	59.7	59.8
GE 16000	54.6	55.6	57.4	58.3	58.9	59.0	59.1	59.2	59.3	59.4	59.5	59.5	59.6	59.6	59.8	59.9
GE 14000	54.6	55.6	57.4	58.4	59.0	59.0	59.2	59.3	59.3	59.5	59.5	59.5	59.7	59.7	59.8	59.9
GE 12000	55.6	56.6	58.6	59.6	60.3	60.3	60.5	60.6	60.6	60.7	60.8	60.8	61.0	61.0	61.1	61.2
GE 10000	57.4	58.5	60.5	61.6	62.3	62.3	62.5	62.6	62.6	62.8	62.8	62.8	63.0	63.0	63.2	63.3
GE 9000	57.8	59.0	61.1	62.2	62.9	63.0	63.1	63.2	63.3	63.4	63.5	63.5	63.6	63.6	63.8	63.9
GE 8000	61.4	62.8	65.0	66.3	67.1	67.1	67.4	67.5	67.5	67.7	67.8	67.8	67.9	67.9	68.1	68.2
GE 7000	62.6	64.1	66.3	67.6	68.5	68.5	68.8	68.9	68.9	69.1	69.2	69.2	69.4	69.4	69.5	69.6
GE 6000	63.2	64.7	67.0	68.3	69.2	69.3	69.6	69.7	69.8	69.9	70.0	70.0	70.2	70.2	70.4	70.5
GE 5000	64.3	65.8	68.2	69.5	70.5	70.5	70.8	71.0	71.0	71.1	71.3	71.3	71.4	71.4	71.6	71.7
GE 4500	65.6	67.2	69.8	71.2	72.2	72.2	72.6	72.8	72.8	73.0	73.1	73.1	73.2	73.2	73.4	73.5
GE 4000	68.0	69.8	72.4	74.0	75.2	75.4	75.8	75.9	76.0	76.1	76.2	76.2	76.4	76.4	76.6	76.7
GE 3500	70.5	72.4	75.3	76.8	78.2	78.4	78.8	79.0	79.0	79.1	79.3	79.3	79.5	79.5	79.6	79.7
GE 3000	73.1	75.1	78.3	79.9	81.3	81.6	82.0	82.2	82.2	82.3	82.5	82.5	82.7	82.7	82.9	83.0
GE 2500	74.2	76.3	79.6	81.4	82.9	83.1	83.7	83.8	83.9	84.0	84.2	84.2	84.4	84.4	84.6	84.7
GE 2000	75.2	77.3	80.8	82.8	84.5	84.7	85.4	85.6	85.6	85.7	85.9	85.9	86.2	86.2	86.3	86.4
GE 1800	75.3	77.4	81.0	83.1	84.8	85.1	85.7	85.9	86.0	86.1	86.3	86.3	86.6	86.6	86.7	86.8
GE 1500	75.9	78.1	81.8	84.1	86.0	86.3	87.1	87.4	87.4	87.6	87.8	87.8	88.1	88.1	88.2	88.3
GE 1200	76.3	78.6	82.4	84.7	86.8	87.1	87.9	88.3	88.3	88.5	88.7	88.7	88.9	88.9	89.1	89.2
GE 1000	76.6	78.9	82.8	85.3	87.5	87.8	88.8	89.2	89.3	89.5	89.7	89.7	90.0	90.0	90.1	90.2
GE 900	76.7	79.0	83.0	85.5	87.8	88.1	89.2	89.6	89.6	89.9	90.2	90.2	90.5	90.5	90.6	90.7
GE 800	76.8	79.0	83.1	85.8	88.2	88.6	89.7	90.2	90.2	90.5	90.7	90.7	91.0	91.0	91.2	91.3
GE 700	76.8	79.1	83.3	86.1	88.6	89.1	90.4	90.8	90.9	91.2	91.6	91.6	92.0	92.0	92.1	92.2
GE 600	76.8	79.1	83.3	86.1	88.8	89.4	90.8	91.4	91.4	91.8	92.3	92.3	92.7	92.7	92.9	93.0
GE 500	76.9	79.2	83.4	86.3	89.2	89.9	91.6	92.2	92.3	92.8	93.4	93.4	93.9	93.9	94.1	94.3
GE 400	76.9	79.2	83.4	86.3	89.4	90.2	92.2	93.0	93.1	93.9	94.6	94.6	95.3	95.3	95.5	95.8
GE 300	76.9	79.2	83.4	86.3	89.5	90.4	92.6	93.5	93.6	94.6	95.6	95.8	96.9	96.9	97.3	97.6
GE 200	76.9	79.2	83.4	86.3	89.5	90.4	92.6	93.6	93.7	94.8	96.0	96.2	97.7	97.8	98.5	99.0
GE 100	76.9	79.2	83.4	86.3	89.5	90.4	92.6	93.6	93.7	94.8	96.0	96.3	98.0	98.0	99.0	99.8
GE 000	76.9	79.2	83.4	86.3	89.5	90.4	92.6	93.6	93.7	94.8	96.0	96.3	98.0	98.1	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 4190

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 03-05

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GE 000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 3

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	38.7	39.8	40.9	41.5	42.1	42.1	42.3	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.6	42.7
GE 20000	41.5	42.6	43.7	44.3	44.9	44.9	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.7	45.8
GE 18000	41.7	42.7	43.8	44.4	45.1	45.1	45.5	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.0
GE 16000	41.7	42.7	43.8	44.4	45.1	45.1	45.5	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.8	46.0
GE 14000	41.7	42.7	43.8	44.4	45.4	45.4	45.8	45.8	45.8	46.0	46.0	46.0	46.0	46.0	46.1	46.3
GE 12000	42.7	43.8	45.4	46.0	46.9	46.9	47.4	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.7	47.8
GE 10000	45.7	46.9	48.8	49.7	50.8	50.8	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.7	51.9
GE 9000	46.5	47.7	49.5	50.6	51.7	51.7	52.3	52.3	52.3	52.5	52.5	52.5	52.5	52.5	52.6	52.8
GE 8000	50.3	51.7	54.0	55.4	56.9	57.1	57.9	57.9	57.9	58.0	58.0	58.0	58.0	58.0	58.2	58.3
GE 7000	51.4	52.8	55.1	56.5	58.0	58.2	59.0	59.0	59.0	59.1	59.1	59.1	59.1	59.1	59.3	59.4
GE 6000	51.9	53.2	55.6	56.9	58.5	58.6	59.4	59.4	59.4	59.6	59.6	59.6	59.6	59.6	59.7	59.9
GE 5000	52.6	54.0	56.3	57.7	59.7	59.9	60.6	60.6	60.6	60.8	60.8	60.8	60.8	60.8	61.0	61.1
GE 4500	53.9	55.2	57.6	59.1	61.1	61.3	62.0	62.0	62.0	62.2	62.2	62.2	62.2	62.2	62.3	62.5
GE 4000	56.0	57.6	60.0	61.6	63.7	63.9	64.7	64.8	64.8	65.1	65.1	65.1	65.1	65.1	65.3	65.4
GE 3500	59.1	60.6	63.3	64.8	67.0	67.1	67.9	68.1	68.1	68.4	68.4	68.4	68.4	68.4	68.5	68.7
GE 3000	61.6	63.6	66.7	68.2	70.4	70.7	71.5	71.6	71.6	71.9	71.9	71.9	71.9	71.9	72.1	72.2
GE 2500	63.1	65.6	69.0	70.7	72.8	73.1	73.9	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.5	74.7
GE 2000	64.7	67.3	70.8	73.0	75.8	76.1	77.0	77.2	77.2	77.6	77.6	77.6	77.6	77.6	77.8	77.9
GE 1800	64.8	67.4	71.0	73.1	75.9	76.2	77.2	77.3	77.3	77.9	77.9	77.9	77.9	77.9	78.1	78.2
GE 1500	65.9	68.5	72.7	75.0	78.2	78.5	79.6	79.8	79.8	80.4	80.6	80.6	80.6	80.6	80.7	80.9
GE 1200	66.8	69.4	74.2	76.7	80.2	80.6	81.8	81.9	81.9	82.6	82.7	82.7	82.9	82.9	83.0	83.2
GE 1000	67.1	69.8	75.2	77.6	81.3	81.6	83.0	83.2	83.2	83.8	84.0	84.0	84.1	84.1	84.3	84.4
GE 900	67.4	70.1	75.8	78.2	82.1	82.4	83.8	84.0	84.0	84.7	84.9	84.9	85.3	85.3	85.5	85.6
GE 800	67.6	70.2	76.1	78.5	82.4	82.7	84.1	84.3	84.3	85.0	85.2	85.2	85.6	85.6	85.8	86.0
GE 700	68.1	71.0	76.9	79.3	83.3	83.6	85.2	85.6	85.6	86.4	86.6	86.6	87.0	87.0	87.2	87.3
GE 600	68.2	71.1	77.3	79.8	84.0	84.3	86.1	87.0	87.0	87.8	88.0	88.0	88.9	88.9	89.0	89.2
GE 500	68.7	71.8	78.2	80.9	85.6	86.0	87.8	89.0	89.2	90.0	90.6	90.6	91.7	91.7	91.8	92.0
GE 400	68.7	71.8	78.2	80.9	85.8	86.1	88.1	89.5	89.7	91.5	92.1	92.1	93.5	93.5	94.0	94.1
GE 300	68.7	71.8	78.2	80.9	86.0	86.4	88.6	90.0	90.1	92.3	92.9	93.1	94.8	94.8	95.2	95.4
GE 200	68.7	71.8	78.4	81.0	86.1	86.6	88.7	90.4	90.6	92.7	93.4	93.5	95.8	95.8	97.4	98.3
GE 100	68.7	71.8	78.4	81.0	86.1	86.6	88.7	90.4	90.6	92.7	93.4	93.7	96.3	96.3	98.1	100.0
GE 000	68.7	71.8	78.4	81.0	86.1	86.6	88.7	90.4	90.6	92.7	93.4	93.7	96.3	96.3	98.1	100.0

TOTAL NUMBER OF OBSERVATIONS 648

D - 2 - 88

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	42.9	43.4	44.0	44.6	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.9
GE 20000	46.3	47.1	47.7	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
GE 18000	46.6	47.3	48.0	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1
GE 16000	46.6	47.3	48.0	48.6	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.1
GE 14000	46.6	47.3	48.0	48.7	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2
GE 12000	49.6	50.6	51.2	52.0	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.5
GE 10000	52.8	53.8	54.4	55.5	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
GE 9000	53.8	54.8	55.5	56.6	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.1
GE 8000	58.1	59.1	60.1	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2
GE 7000	59.4	60.3	61.5	62.9	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.6
GE 6000	60.3	61.3	62.5	63.9	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6
GE 5000	61.6	62.6	63.8	65.3	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.9
GE 4500	63.2	64.2	65.6	67.0	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.8
GE 4000	65.8	66.9	68.3	69.9	70.4	70.5	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9
GE 3500	69.1	70.3	71.6	73.2	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
GE 3000	72.0	73.1	74.7	76.5	77.0	77.1	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
GE 2500	72.9	74.2	76.0	77.8	78.3	78.6	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
GE 2000	75.0	76.3	78.2	80.3	80.8	81.0	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4
GE 1800	75.5	76.8	78.8	81.0	81.5	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
GE 1500	76.5	78.1	80.5	82.9	83.5	83.8	84.3	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.9
GE 1200	77.3	79.1	81.7	84.0	85.3	85.5	86.0	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.9
GE 1000	77.7	79.4	82.0	84.4	86.0	86.2	87.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.4
GE 900	77.7	79.4	82.0	84.4	86.0	86.2	87.0	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.4
GE 800	77.7	79.4	82.0	84.4	86.4	86.6	87.5	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	89.0
GE 700	77.7	79.4	82.2	84.5	87.0	87.2	88.1	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7	89.8
GE 600	77.7	79.4	82.2	84.5	87.4	87.9	89.3	90.8	91.0	91.3	91.4	91.4	91.4	91.4	91.4	91.6
GE 500	77.7	79.4	82.2	84.6	87.7	88.5	90.6	92.4	92.6	92.9	93.3	93.3	93.3	93.3	93.3	93.4
GE 400	77.7	79.4	82.2	85.1	88.5	89.2	91.4	93.3	93.4	94.3	94.7	94.7	95.2	95.2	95.4	95.5
GE 300	77.7	79.4	82.2	85.1	88.5	89.2	91.7	93.6	93.7	94.9	95.5	95.5	96.5	96.5	96.9	97.4
GE 200	77.7	79.4	82.2	85.1	88.5	89.2	91.7	93.7	93.8	95.0	96.0	96.2	97.4	97.5	97.9	98.8
GE 100	77.7	79.4	82.2	85.1	88.5	89.2	91.7	93.7	93.8	95.0	96.0	96.2	97.5	97.6	98.5	100.0
GE 000	77.7	79.4	82.2	85.1	88.5	89.2	91.7	93.7	93.8	95.0	96.0	96.2	97.5	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 807

D - 2 - 89

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	43.9	43.9	44.3	44.5	44.5	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
GE 20000	51.1	51.2	52.0	52.2	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	51.7	51.9	52.7	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 16000	51.7	51.9	52.7	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 14000	51.9	52.0	52.9	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 12000	52.9	53.0	53.9	54.1	54.1	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
GE 10000	55.2	55.3	56.6	56.8	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 9000	55.7	55.8	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 8000	59.5	59.6	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
GE 7000	60.4	60.7	62.3	62.7	62.7	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
GE 6000	61.4	61.7	63.3	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
GE 5000	62.8	63.1	64.7	65.0	65.0	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
GE 4500	63.9	64.2	65.9	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
GE 4000	67.5	67.9	69.7	70.0	70.1	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
GE 3500	72.0	72.4	74.3	74.8	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
GE 3000	75.7	76.2	78.5	79.1	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
GE 2500	76.9	77.5	79.9	80.7	80.8	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
GE 2000	79.2	80.2	82.8	83.8	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
GE 1800	79.5	80.5	83.1	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
GE 1500	80.3	81.5	84.5	86.1	86.4	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
GE 1200	81.2	82.3	85.3	86.9	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
GE 1000	81.6	82.8	86.1	87.7	88.1	88.2	88.3	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 900	81.7	83.1	86.3	87.9	88.4	88.6	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
GE 800	81.7	83.1	86.3	87.9	88.8	88.9	89.1	89.7	89.7	89.8	90.2	90.2	90.2	90.2	90.2	90.2
GE 700	82.0	83.3	86.7	88.3	89.6	89.7	89.8	90.4	90.5	90.7	91.0	91.0	91.0	91.0	91.0	91.0
GE 600	82.0	83.3	86.9	88.7	90.7	90.8	91.3	92.3	92.5	92.9	93.3	93.3	93.4	93.4	93.5	93.5
GE 500	82.0	83.3	87.1	88.8	90.8	90.9	91.5	93.2	93.4	93.9	94.3	94.3	94.5	94.5	94.7	94.7
GE 400	82.0	83.3	87.2	88.9	90.9	91.0	91.7	93.5	93.8	94.8	95.1	95.1	95.8	95.8	95.9	95.9
GE 300	82.0	83.3	87.2	88.9	90.9	91.0	91.8	93.8	94.3	95.8	96.4	96.4	97.4	97.4	97.6	97.8
GE 200	82.0	83.3	87.2	88.9	90.9	91.2	91.9	94.0	94.5	96.1	96.8	97.0	98.0	98.1	98.5	98.6
GE 100	82.0	83.3	87.2	88.9	90.9	91.2	91.9	94.0	94.5	96.1	96.8	97.4	98.8	99.0	99.6	100.0
GE 000	82.0	83.3	87.2	88.9	90.9	91.2	91.9	94.0	94.5	96.1	96.8	97.4	98.8	99.0	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 804

D - 2 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.3	45.3	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
GE 20000	50.7	50.7	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
GE 18000	51.6	51.8	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
GE 16000	51.8	51.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
GE 14000	51.9	52.0	53.2	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 12000	53.4	53.5	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
GE 10000	55.1	55.5	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 9000	56.1	56.7	58.2	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
GE 8000	60.1	60.7	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
GE 7000	61.3	61.9	63.6	63.8	63.8	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.0	64.0
GE 6000	61.7	62.3	64.0	64.2	64.2	64.3	64.3	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4
GE 5000	62.5	63.1	64.8	65.1	65.1	65.2	65.2	65.2	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 4500	65.5	66.1	67.9	68.1	68.1	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
GE 4000	68.9	69.6	71.3	71.5	71.7	71.8	71.8	71.8	71.8	71.9	71.9	71.9	71.9	71.9	71.9	71.9
GE 3500	71.3	71.9	74.0	74.8	75.0	75.1	75.1	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3000	76.3	77.1	79.7	80.8	81.0	81.2	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
GE 2500	78.0	78.9	81.7	82.9	83.3	83.4	83.4	83.5	83.5	83.8	83.8	83.8	83.8	83.8	83.8	83.8
GE 2000	80.5	81.7	84.7	86.0	86.8	87.0	87.0	87.2	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5
GE 1800	81.2	82.3	85.4	86.7	87.5	87.6	87.6	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.1
GE 1500	81.8	83.1	86.3	88.0	88.9	89.1	89.2	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7	89.7
GE 1200	82.1	83.4	86.6	88.5	89.5	89.6	90.1	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6
GE 1000	82.2	83.5	86.7	88.7	90.1	90.3	90.8	91.4	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7
GE 900	82.3	83.7	86.8	88.9	90.4	90.5	91.2	91.8	91.8	92.1	92.1	92.1	92.1	92.1	92.1	92.1
GE 800	82.5	83.8	87.0	89.2	90.8	90.9	91.6	92.2	92.2	92.5	92.5	92.6	92.6	92.6	92.8	92.8
GE 700	82.6	83.9	87.4	89.6	91.2	91.3	92.1	92.8	92.8	93.1	93.1	93.4	93.4	93.4	93.5	93.5
GE 600	82.6	83.9	87.7	90.1	92.0	92.1	93.5	94.5	94.5	95.1	95.4	95.7	95.7	95.7	95.8	95.8
GE 500	82.6	83.9	87.7	90.4	92.2	92.5	94.1	95.1	95.1	96.0	96.3	96.6	96.6	96.6	96.7	96.7
GE 400	82.6	83.9	87.7	90.4	92.2	92.5	94.5	95.8	95.8	97.1	97.4	97.6	97.6	97.6	97.8	97.8
GE 300	82.6	83.9	87.7	90.4	92.2	92.5	94.5	96.0	96.0	97.4	97.8	98.0	98.2	98.2	98.7	98.7
GE 200	82.6	83.9	87.7	90.4	92.2	92.5	94.5	96.2	96.2	97.5	97.9	98.2	98.6	98.6	99.3	99.3
GE 100	82.6	83.9	87.7	90.4	92.2	92.5	94.5	96.2	96.2	97.5	98.2	98.6	98.9	98.9	99.7	99.7
GE 000	82.6	83.9	87.7	90.4	92.2	92.5	94.5	96.2	96.2	97.5	98.2	98.6	98.9	98.9	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 759

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	49.4	49.7	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.3	51.3	51.3	51.3	51.3
GE 20000	53.1	53.4	54.6	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.1	55.3	55.3	55.3	55.3	55.3
GE 18000	53.3	53.6	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.4	55.4	55.4	55.4	55.4
GE 16000	53.4	53.8	54.9	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.6	55.6	55.6	55.6	55.6
GE 14000	53.8	54.1	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.9	55.9	55.9	55.9	55.9
GE 12000	56.3	56.6	57.8	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.3	58.5	58.5	58.5	58.5	58.5
GE 10000	57.5	58.0	59.1	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.6	59.8	59.8	59.8	59.8	59.8
GE 9000	58.5	59.0	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.1	61.3	61.3	61.3	61.3	61.3
GE 8000	61.0	61.5	63.1	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.8	64.0	64.0	64.0	64.2	64.2
GE 7000	61.5	62.0	63.7	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.3	64.5	64.5	64.5	64.7	64.7
GE 6000	61.5	62.0	63.8	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.7	64.8	64.8	64.8	65.0	65.0
GE 5000	63.1	63.7	65.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7	67.0	67.2	67.2	67.2	67.3	67.3
GE 4500	65.8	66.3	68.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.7	69.8	69.8	69.8	70.0	70.0
GE 4000	70.4	70.9	73.0	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.9	75.0	75.0	75.0	75.2	75.2
GE 3500	72.2	72.7	75.0	76.5	76.7	76.7	76.7	76.7	76.7	76.7	77.4	77.6	77.6	77.6	77.7	77.7
GE 3000	75.5	76.0	78.4	80.1	80.6	80.6	80.6	80.6	80.6	80.6	81.2	81.4	81.4	81.4	81.6	81.6
GE 2500	76.9	77.4	79.9	82.6	83.2	83.4	83.4	83.4	83.4	83.4	84.1	84.3	84.3	84.3	84.4	84.4
GE 2000	78.6	79.9	82.4	85.4	86.1	86.4	86.8	86.8	86.8	86.8	87.4	87.6	87.6	87.6	87.8	87.8
GE 1800	78.6	79.9	82.4	85.4	86.3	86.6	86.9	86.9	86.9	86.9	87.6	87.8	87.8	87.8	87.9	87.9
GE 1500	79.4	80.7	83.4	86.4	87.4	87.8	88.3	88.3	88.3	88.3	88.9	89.1	89.1	89.1	89.3	89.3
GE 1200	80.1	81.6	84.3	87.3	88.4	88.8	89.4	89.4	89.4	89.4	90.1	90.3	90.3	90.3	90.5	90.5
GE 1000	80.1	81.6	84.3	87.3	88.8	89.1	90.1	90.1	90.1	90.1	90.8	91.0	91.0	91.0	91.1	91.1
GE 900	80.1	81.6	84.4	87.4	88.9	89.3	90.3	90.3	90.3	90.3	91.0	91.1	91.1	91.1	91.3	91.3
GE 800	80.2	81.7	84.8	87.8	89.3	89.6	90.6	90.6	90.6	90.6	91.3	91.8	91.8	91.8	92.0	92.0
GE 700	80.2	81.7	84.9	88.1	89.8	90.1	91.1	91.1	91.1	91 5	92.1	92.6	92.6	92.6	92.8	92.8
GE 600	80.2	81.7	85.3	88.4	90.1	90.5	92.0	92.0	92.1	92.6	93.6	94.1	94.1	94.1	94.3	94.3
GE 500	80.2	81.7	85.4	88.8	90.5	90.8	92.5	92.6	92.8	93.8	95.0	95.5	95.6	95.6	96.0	96.0
GE 400	80.2	81.7	85.4	88.9	90.6	91.1	92.8	93.3	93.5	94.6	95.8	96.3	96.5	96.5	96.8	96.8
GE 300	80.2	81.7	85.4	89.1	91.0	91.5	93.5	94.0	94.3	95.5	96.6	97.2	97.7	97.7	98.2	98.2
GE 200	80.2	81.7	85.4	89.3	91.1	91.6	93.6	94.1	94.5	95.6	96.8	97.3	97.8	97.8	99.0	99.0
GE 100	80.2	81.7	85.4	89.3	91.1	91.6	93.6	94.1	94.5	95.6	96.8	97.3	97.8	97.8	99.3	99.3
GE 000	80.2	81.7	85.4	89.3	91.1	91.6	93.6	94.1	94.5	95.8	97.0	97.5	98.0	98.0	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 597

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
GE 20000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 18000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 16000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 14000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
GE 12000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 10000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
GE 9000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
GE 8000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 7000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 6000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 5000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
GE 4500	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
GE 4000	79.6	79.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
GE 3500	81.6	81.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
GE 3000	83.7	83.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
GE 2500	83.7	83.7	84.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
GE 2000	85.7	85.7	86.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1800	85.7	85.7	86.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
GE 1500	86.7	86.7	87.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1200	86.7	86.7	87.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 1000	86.7	86.7	87.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
GE 900	86.7	86.7	88.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 800	86.7	86.7	88.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
GE 700	86.7	86.7	88.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 600	86.7	86.7	88.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
GE 500	86.7	86.7	88.8	92.9	92.9	92.9	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 400	86.7	86.7	88.8	92.9	92.9	92.9	92.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
GE 300	86.7	86.7	88.8	92.9	92.9	93.9	93.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	96.9	96.9
GE 200	86.7	86.7	88.8	92.9	92.9	93.9	93.9	94.9	94.9	95.9	95.9	95.9	95.9	95.9	98.0	98.0
GE 100	86.7	86.7	88.8	92.9	92.9	93.9	93.9	94.9	94.9	96.9	98.0	98.0	98.0	98.0	100.0	100.0
GE 000	86.7	86.7	88.8	92.9	92.9	93.9	93.9	94.9	94.9	96.9	98.0	98.0	98.0	98.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 98

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.5	44.8	45.5	45.9	46.0	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.2	46.2
GE 20000	49.0	49.4	50.3	50.7	50.8	50.9	50.9	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.1
GE 18000	49.4	49.9	50.8	51.2	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6
GE 16000	49.5	49.9	50.9	51.2	51.4	51.5	51.5	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.7
GE 14000	49.6	50.0	51.0	51.4	51.6	51.6	51.7	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.9
GE 12000	51.3	51.9	52.9	53.3	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.8	53.8
GE 10000	53.6	54.2	55.4	55.9	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5
GE 9000	54.5	55.1	56.5	57.1	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.6	57.6
GE 8000	58.3	59.0	60.5	61.3	61.7	61.7	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	62.0	62.1
GE 7000	59.3	60.1	61.7	62.4	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1	63.2	63.2
GE 6000	59.9	60.7	62.3	63.1	63.4	63.5	63.6	63.6	63.6	63.7	63.8	63.8	63.8	63.8	63.8	63.9
GE 5000	61.1	61.8	63.5	64.3	64.8	64.9	65.0	65.0	65.0	65.1	65.1	65.2	65.2	65.2	65.2	65.3
GE 4500	63.0	63.7	65.4	66.4	66.8	66.9	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.3
GE 4000	66.2	67.0	68.9	69.8	70.3	70.5	70.6	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	71.0
GE 3500	69.3	70.1	72.1	73.2	73.8	73.9	74.1	74.1	74.1	74.2	74.3	74.3	74.3	74.3	74.4	74.4
GE 3000	72.8	73.7	76.0	77.3	77.9	78.1	78.2	78.3	78.3	78.4	78.5	78.5	78.5	78.5	78.6	78.6
GE 2500	74.0	75.2	77.6	79.2	79.9	80.1	80.3	80.4	80.4	80.5	80.6	80.6	80.6	80.6	80.7	80.7
GE 2000	76.1	77.5	80.2	82.0	82.9	83.1	83.4	83.5	83.5	83.6	83.7	83.7	83.7	83.7	83.8	83.9
GE 1800	76.4	77.9	80.5	82.4	83.3	83.5	83.8	83.9	83.9	84.1	84.2	84.2	84.2	84.2	84.3	84.3
GE 1500	77.3	78.8	81.9	84.0	85.2	85.4	85.8	86.0	86.0	86.2	86.3	86.3	86.3	86.3	86.4	86.4
GE 1200	78.0	79.6	82.8	85.0	86.4	86.6	87.1	87.4	87.4	87.6	87.7	87.7	87.8	87.8	87.8	87.9
GE 1000	78.3	79.9	83.2	85.4	87.1	87.3	88.0	88.5	88.5	88.7	88.8	88.8	88.9	88.9	88.9	89.0
GE 900	78.4	80.0	83.4	85.7	87.4	87.6	88.3	88.9	88.9	89.1	89.2	89.2	89.3	89.3	89.4	89.4
GE 800	78.4	80.1	83.6	85.9	87.7	87.9	88.7	89.3	89.3	89.5	89.7	89.8	89.9	89.9	90.0	90.0
GE 700	78.6	80.3	83.9	86.3	88.4	88.6	89.4	90.0	90.1	90.4	90.6	90.8	90.9	90.9	90.9	91.0
GE 600	78.6	80.3	84.2	86.6	89.0	89.3	90.6	91.5	91.6	92.1	92.4	92.6	92.8	92.8	92.9	92.9
GE 500	78.7	80.4	84.4	86.9	89.5	89.9	91.4	92.6	92.8	93.4	93.9	94.1	94.3	94.3	94.5	94.5
GE 400	78.7	80.4	84.4	87.1	89.8	90.2	91.8	93.2	93.4	94.5	95.0	95.2	95.7	95.7	95.9	96.0
GE 300	78.7	80.4	84.4	87.1	89.9	90.3	92.1	93.6	93.8	95.2	95.9	96.0	96.9	96.9	97.3	97.5
GE 200	78.7	80.4	84.4	87.2	89.9	90.4	92.2	93.8	94.0	95.5	96.2	96.5	97.5	97.6	98.4	98.8
GE 100	78.7	80.4	84.4	87.2	89.9	90.4	92.2	93.8	94.0	95.5	96.3	96.7	97.9	98.0	99.1	99.8
GE 000	78.7	80.4	84.4	87.2	89.9	90.4	92.2	93.8	94.0	95.6	96.4	96.7	98.0	98.0	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 3716

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 06-08

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.4	45.8	46.4	46.4	47.4	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.8	47.8	47.8	48.0
GE 20000	49.6	50.0	50.6	50.6	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.3	52.3	52.3	52.6
GE 18000	50.1	50.6	51.3	51.3	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.3
GE 16000	50.1	50.6	51.3	51.3	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	53.0	53.0	53.0	53.3
GE 14000	50.4	50.9	51.6	51.6	52.9	53.0	53.2	53.2	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.6
GE 12000	51.3	51.7	52.6	52.6	53.9	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.3	54.3	54.3	54.6
GE 10000	55.6	56.1	57.1	57.1	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.5
GE 9000	56.6	57.1	58.2	58.2	60.0	60.1	60.3	60.3	60.3	60.3	60.3	60.3	60.4	60.4	60.4	60.7
GE 8000	60.4	60.8	62.1	62.3	64.7	64.9	65.2	65.3	65.3	65.3	65.3	65.3	65.5	65.5	65.5	65.8
GE 7000	62.1	62.6	64.2	64.3	66.8	66.9	67.2	67.3	67.3	67.3	67.3	67.3	67.5	67.5	67.5	67.8
GE 6000	62.9	63.3	65.0	65.2	67.6	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.4	68.4	68.4	68.6
GE 5000	64.2	64.6	66.3	66.6	69.1	69.4	69.8	69.9	69.9	69.9	69.9	69.9	70.1	70.1	70.1	70.4
GE 4500	64.7	65.2	67.1	67.3	69.8	70.1	70.7	70.8	70.8	70.8	70.8	70.8	71.0	71.0	71.0	71.2
GE 4000	66.5	66.9	68.9	69.2	72.1	72.5	73.1	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.7
GE 3500	68.5	69.2	71.4	71.7	74.7	75.1	75.7	75.9	75.9	75.9	75.9	75.9	76.0	76.0	76.0	76.3
GE 3000	70.4	71.2	73.4	73.7	77.5	77.9	78.9	79.0	79.0	79.0	79.0	79.0	79.2	79.2	79.2	79.5
GE 2500	71.4	72.3	74.6	74.9	78.8	79.3	80.8	80.9	80.9	80.9	80.9	80.9	81.1	81.1	81.1	81.4
GE 2000	73.0	74.0	77.3	77.7	81.9	82.5	84.2	84.5	84.5	84.7	84.8	85.0	85.1	85.1	85.1	85.4
GE 1800	73.1	74.1	77.7	78.3	82.5	83.1	85.0	85.3	85.3	85.4	85.5	85.7	85.8	85.8	85.8	86.1
GE 1500	73.3	74.3	77.9	78.5	82.7	83.2	85.3	85.5	85.5	85.7	85.8	86.0	86.1	86.1	86.1	86.4
GE 1200	74.7	75.7	79.6	80.2	84.5	85.3	87.7	88.0	88.0	88.3	88.4	88.6	88.7	88.7	88.7	89.0
GE 1000	75.0	76.0	80.3	81.1	85.5	86.3	89.3	89.9	89.9	90.3	90.5	90.6	90.8	90.8	90.8	91.0
GE 900	75.0	76.0	80.3	81.1	85.5	86.3	89.3	89.9	89.9	90.3	90.5	90.6	90.8	90.8	90.8	91.0
GE 800	75.0	76.0	80.3	81.1	85.5	86.3	89.3	90.3	90.3	90.8	90.9	91.0	91.2	91.2	91.2	91.5
GE 700	75.0	76.0	80.3	81.1	85.7	86.4	89.6	90.6	90.6	91.0	91.2	91.3	91.8	91.8	91.9	92.2
GE 600	75.0	75.0	80.3	81.1	85.8	86.7	90.2	91.3	91.3	91.8	91.9	92.1	92.5	92.5	92.6	92.9
GE 500	75.0	76.0	80.3	81.2	86.3	87.3	91.5	92.9	92.9	94.1	94.2	94.4	94.8	94.8	94.9	95.2
GE 400	75.0	76.0	80.3	81.2	86.3	87.3	92.1	93.9	93.9	95.1	95.2	95.4	96.1	96.1	96.2	96.5
GE 300	75.0	76.0	80.3	81.2	86.3	87.3	92.3	94.4	94.4	95.8	96.2	96.4	97.3	97.3	97.4	98.1
GE 200	75.0	76.0	80.3	81.2	86.3	87.3	92.5	94.5	94.5	96.2	96.7	97.0	98.3	98.3	99.3	100.0
GE 100	75.0	76.0	80.3	81.2	86.3	87.3	92.5	94.5	94.5	96.2	96.7	97.0	98.3	98.3	99.3	100.0
GE 000	75.0	76.0	80.3	81.2	86.3	87.3	92.5	94.5	94.5	96.2	96.7	97.0	98.3	98.3	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 692

D - 2 - 95

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 09-11

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.6	44.9	45.5	45.7	45.9	45.9	45.9	46.0	46.0	46.2	46.2	46.2	46.2	46.2	46.2	46.2
GE 20000	51.9	52.2	53.1	53.8	54.1	54.1	54.1	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3
GE 18000	52.7	52.9	53.8	54.5	54.8	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 16000	52.7	52.9	53.8	54.5	54.8	54.8	54.8	54.9	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0
GE 14000	53.5	53.7	54.7	55.4	55.6	55.6	55.6	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8
GE 12000	54.5	54.8	55.7	56.4	56.7	56.7	56.7	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	56.9
GE 10000	58.8	59.3	60.4	61.4	61.9	61.9	61.9	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 9000	59.6	60.1	61.3	62.2	62.7	62.7	62.7	62.8	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9
GE 8000	64.6	65.1	66.6	67.8	68.5	68.5	68.7	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9
GE 7000	65.5	66.0	67.5	68.9	69.8	69.8	70.1	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 6000	66.7	67.3	68.8	70.2	71.1	71.1	71.4	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.7
GE 5000	67.2	67.8	69.4	70.8	71.7	71.7	72.0	72.1	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3
GE 4500	68.0	68.6	70.5	72.1	73.1	73.1	73.4	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7
GE 4000	69.4	70.1	72.6	74.4	75.3	75.3	75.7	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.0
GE 3500	71.1	72.0	74.7	76.5	77.6	77.6	77.9	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
GE 3000	73.4	74.7	77.6	79.3	80.4	80.4	80.9	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2
GE 2500	74.1	75.8	78.7	80.8	81.9	81.9	82.4	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9
GE 2000	75.0	77.0	80.2	82.2	83.6	83.6	84.3	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1800	75.0	77.0	80.3	82.3	83.8	83.8	84.8	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4
GE 1500	75.1	77.2	80.6	83.1	84.8	84.9	86.1	86.5	86.5	86.9	86.9	86.9	87.0	87.0	87.0	87.0
GE 1200	75.6	77.7	81.3	83.9	85.6	85.7	86.9	87.5	87.5	87.8	87.8	87.8	88.0	88.0	88.0	88.0
GE 1000	76.2	78.3	82.1	84.7	86.5	86.8	88.4	89.0	89.0	89.5	89.5	89.5	89.6	89.6	89.6	89.6
GE 900	76.6	78.7	82.6	85.2	87.1	87.4	89.0	90.0	90.1	90.6	90.6	90.6	90.7	90.7	90.7	90.7
GE 800	76.6	78.7	82.6	85.2	87.2	87.6	89.4	90.3	90.4	90.9	90.9	90.9	91.3	91.3	91.3	91.3
GE 700	76.7	78.9	82.8	85.6	87.6	88.2	90.3	91.3	91.4	91.9	91.9	91.9	92.3	92.3	92.4	92.4
GE 600	76.7	78.9	82.8	85.6	87.7	88.4	90.7	91.9	92.0	92.6	92.6	92.6	93.0	93.0	93.2	93.2
GE 500	76.7	78.9	82.8	85.6	88.0	88.7	91.4	93.3	93.4	94.0	94.1	94.1	94.7	94.7	94.9	94.9
GE 400	76.7	78.9	82.8	85.6	88.3	89.0	91.9	94.2	94.5	95.2	95.7	95.7	96.7	96.7	97.2	97.2
GE 300	76.7	78.9	82.8	85.6	88.4	89.1	92.1	94.5	94.7	95.4	96.3	96.3	97.5	97.5	98.3	98.5
GE 200	76.7	78.9	82.8	85.6	88.4	89.1	92.1	94.5	94.7	95.7	96.7	96.7	98.0	98.0	99.6	99.8
GE 100	76.7	78.9	82.8	85.6	88.4	89.1	92.1	94.5	94.7	95.7	96.7	96.7	98.0	98.0	99.8	100.0
GE 000	76.7	78.9	82.8	85.6	88.4	89.1	92.1	94.5	94.7	95.7	96.7	96.7	98.0	98.0	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 847

D - 2 - 96

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 12-14

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	44.9	44.9	45.1	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
GE 20000	51.8	51.8	51.9	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
GE 18000	52.9	52.9	53.0	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 16000	53.3	53.3	53.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
GE 14000	54.2	54.2	54.3	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7
GE 12000	56.6	56.6	56.7	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
GE 10000	60.4	60.5	60.6	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
GE 9000	60.8	61.0	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
GE 8000	65.9	66.0	66.3	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
GE 7000	66.3	66.4	66.6	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
GE 6000	67.0	67.1	67.5	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
GE 5000	68.2	68.3	68.7	69.4	69.4	69.4	69.4	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5
GE 4500	68.9	69.0	69.4	70.2	70.4	70.4	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5
GE 4000	71.2	71.7	72.0	73.0	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
GE 3500	75.4	76.1	76.6	77.6	77.8	77.8	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
GE 3000	77.5	78.2	78.9	79.9	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
GE 2500	78.6	79.6	80.4	81.3	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2000	79.8	81.3	82.7	84.1	84.5	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8
GE 1800	79.8	81.4	82.9	84.5	84.9	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
GE 1500	79.9	81.6	83.4	85.2	85.7	85.9	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.3	86.3
GE 1200	80.7	82.4	84.2	86.3	86.9	87.1	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.7	87.7
GE 1000	81.1	82.9	84.7	86.7	87.3	87.6	88.7	88.7	88.7	88.8	88.8	88.8	89.0	89.0	89.4	89.4
GE 900	81.2	83.0	84.9	87.0	87.6	87.8	89.2	89.2	89.2	89.3	89.3	89.3	89.5	89.5	89.9	89.9
GE 800	81.2	83.1	85.3	87.7	88.4	88.7	90.6	90.7	90.7	90.8	90.8	90.8	91.1	91.1	91.4	91.4
GE 700	81.3	83.3	85.4	88.1	89.0	89.3	91.3	91.4	91.4	91.7	91.7	91.7	92.0	92.0	92.4	92.4
GE 600	81.3	83.3	85.4	88.1	89.0	89.3	92.0	92.2	92.2	92.5	92.7	92.7	93.1	93.1	93.5	93.5
GE 500	81.4	83.4	85.5	88.2	89.6	89.9	93.0	93.3	93.3	93.6	93.9	93.9	94.7	94.7	95.3	95.3
GE 400	81.4	83.4	85.5	88.2	89.8	90.0	93.1	93.5	93.5	94.6	95.1	95.1	96.1	96.1	97.0	97.0
GE 300	81.4	83.4	85.5	88.2	89.8	90.0	93.3	93.7	93.7	94.9	95.8	95.8	97.0	97.0	98.1	98.2
GE 200	81.4	83.4	85.5	88.2	89.8	90.0	93.4	94.0	94.0	95.3	96.1	96.1	98.0	98.0	99.3	99.9
GE 100	81.4	83.4	85.5	88.2	89.8	90.0	93.4	94.0	94.0	95.3	96.1	96.1	98.0	98.0	99.4	100.0
GE 000	81.4	83.4	85.5	88.2	89.8	90.0	93.4	94.0	94.0	95.3	96.1	96.1	98.0	98.0	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 830

D - 2 - 97

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 15-17

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
GE 20000	52.1	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
GE 18000	53.0	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
GE 16000	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
GE 14000	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
GE 12000	56.7	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
GE 10000	62.1	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
GE 9000	62.8	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0
GE 8000	67.2	67.6	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
GE 7000	67.8	68.2	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
GE 6000	68.6	68.9	69.3	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
GE 5000	70.9	71.4	71.8	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	72.0	72.5	73.0	73.2	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	74.3	75.0	75.7	75.8	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
GE 3500	77.6	78.3	79.3	79.5	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4
GE 3000	79.1	79.7	80.8	80.9	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8
GE 2500	79.7	80.7	82.0	82.2	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.2	83.2	83.2	83.2
GE 2000	80.7	81.8	83.2	83.6	85.0	85.0	85.1	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4
GE 1800	81.1	82.4	83.7	84.3	85.8	85.8	85.9	85.9	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2
GE 1500	81.4	82.8	84.5	85.1	86.8	87.1	87.5	87.5	87.5	87.8	87.8	87.8	87.9	87.9	87.9	87.9
GE 1200	81.4	82.8	84.5	85.1	87.2	87.6	88.3	88.3	88.3	88.6	88.6	88.6	88.7	88.7	88.7	88.7
GE 1000	81.6	83.0	84.7	85.5	87.6	88.2	89.3	89.5	89.5	89.7	89.7	89.7	89.9	89.9	90.0	90.0
GE 900	81.6	83.2	84.9	85.7	87.8	88.3	89.6	89.7	89.7	90.0	90.0	90.0	90.1	90.1	90.3	90.3
GE 800	81.7	83.4	85.1	85.9	88.0	88.6	90.1	90.3	90.3	90.7	90.7	90.7	90.8	90.8	90.9	90.9
GE 700	81.7	83.4	85.1	86.2	88.3	88.9	90.9	91.4	91.4	92.1	92.1	92.1	92.2	92.2	92.4	92.4
GE 600	81.7	83.4	85.1	86.2	88.4	89.2	91.6	92.5	92.5	93.3	93.3	93.3	93.8	93.8	93.9	93.9
GE 500	81.7	83.4	85.1	86.2	88.6	89.3	92.1	93.3	93.4	94.2	94.3	94.3	95.5	95.5	95.8	95.8
GE 400	81.7	83.4	85.1	86.2	88.6	89.3	92.2	93.9	94.3	95.9	96.3	96.3	97.6	97.6	98.0	98.0
GE 300	81.7	83.4	85.1	86.2	88.6	89.3	92.2	93.9	94.6	96.3	96.7	96.7	98.0	98.0	98.7	98.7
GE 200	81.7	83.4	85.1	86.2	88.6	89.3	92.2	93.9	94.6	96.6	97.0	97.0	98.6	98.6	99.2	99.3
GE 100	81.7	83.4	85.1	86.2	88.6	89.3	92.2	93.9	94.6	96.7	97.1	97.1	98.7	98.7	99.7	99.9
GE 000	81.7	83.4	85.1	86.2	88.6	89.3	92.2	93.9	94.6	96.7	97.1	97.1	98.7	98.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 760

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 18-20

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	50.8	50.8	51.2	51.3	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
GE 20000	55.8	55.8	56.2	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
GE 18000	56.0	56.0	56.4	56.6	56.6	56.6	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
GE 16000	56.6	56.6	56.9	57.1	57.1	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
GE 14000	56.7	56.7	57.1	57.3	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
GE 12000	58.2	58.2	58.5	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
GE 10000	62.8	62.8	63.2	63.4	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
GE 9000	63.0	63.0	63.4	63.6	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
GE 8000	68.6	68.6	69.3	69.5	69.5	69.5	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
GE 7000	68.9	68.9	69.7	69.8	69.8	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
GE 6000	69.3	69.3	70.0	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
GE 5000	70.7	70.7	71.5	71.6	72.0	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
GE 4500	72.0	72.0	72.7	72.9	73.6	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
GE 4000	73.1	73.1	74.0	74.1	74.9	74.9	75.0	75.0	75.0	75.2	75.2	75.2	75.2	75.2	75.2	75.2
GE 3500	76.3	76.3	77.7	77.9	79.4	79.4	79.5	79.5	79.5	79.7	79.7	79.7	79.7	79.7	79.7	79.7
GE 3000	77.9	77.9	79.4	79.5	81.1	81.1	81.3	81.3	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7
GE 2500	78.3	78.5	80.3	80.4	82.4	82.8	82.9	82.9	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3
GE 2000	79.2	79.9	81.9	82.4	84.7	85.5	85.6	85.6	85.6	86.5	86.5	86.5	86.5	86.5	86.5	86.5
GE 1800	79.4	80.3	82.2	82.8	85.8	86.5	86.7	86.7	86.7	87.6	87.6	87.6	87.6	87.6	87.6	87.6
GE 1500	79.5	80.4	82.8	83.5	86.7	87.4	87.6	87.6	87.6	88.5	88.5	88.5	88.5	88.5	88.5	88.5
GE 1200	79.7	80.8	83.1	83.8	87.8	88.9	89.0	89.0	89.0	89.9	89.9	89.9	89.9	89.9	89.9	89.9
GE 1000	79.9	81.0	83.3	84.0	88.0	89.0	89.6	89.6	89.6	90.5	90.5	90.5	90.5	90.5	90.5	90.5
GE 900	80.3	81.7	84.0	84.7	88.7	89.8	90.3	90.5	90.5	91.4	91.4	91.4	91.4	91.4	91.4	91.4
GE 800	80.3	81.7	84.0	84.9	89.2	90.3	90.8	91.0	91.0	91.9	91.9	91.9	91.9	91.9	91.9	91.9
GE 700	80.4	81.9	84.2	85.1	89.4	90.5	91.0	91.2	91.2	92.6	92.6	92.6	92.6	92.6	92.6	92.6
GE 600	80.4	81.9	84.2	85.3	89.8	90.8	91.7	92.5	92.5	93.9	93.9	93.9	94.1	94.1	94.1	94.1
GE 500	80.4	81.9	84.4	85.5	90.1	91.2	92.3	93.0	93.0	94.4	94.4	94.4	95.0	95.0	95.0	95.0
GE 400	80.4	81.9	84.7	85.8	90.5	91.9	93.2	94.1	94.3	96.2	96.2	96.2	97.1	97.1	97.1	97.1
GE 300	80.4	81.9	84.7	85.8	90.7	92.1	93.4	94.3	94.4	96.6	96.6	96.6	97.8	97.8	98.0	98.0
GE 200	80.4	81.9	84.7	85.8	90.7	92.1	93.4	94.3	94.4	96.6	96.6	96.6	98.4	98.4	98.6	98.9
GE 100	80.4	81.9	84.7	85.8	90.7	92.1	93.4	94.3	94.4	96.6	96.8	96.8	98.6	98.6	99.1	99.5
GE 000	80.4	81.9	84.7	85.8	90.7	92.1	93.4	94.3	94.4	96.6	96.8	96.8	98.6	98.6	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 557

D - 2 - 99

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: 21-23

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
GE 20000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 18000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 16000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 14000	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
GE 12000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 10000	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
GE 9000	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
GE 8000	65.8	65.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 7000	65.8	65.8	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
GE 6000	65.8	65.8	68.5	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
GE 5000	67.1	67.1	69.9	71.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4500	67.1	67.1	69.9	71.2	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
GE 4000	68.5	68.5	71.2	72.6	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
GE 3500	69.9	69.9	74.0	75.3	76.7	76.7	76.7	76.7	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 3000	69.9	69.9	74.0	75.3	76.7	76.7	76.7	76.7	76.7	78.1	78.1	78.1	78.1	78.1	78.1	78.1
GE 2500	69.9	69.9	75.3	76.7	79.5	79.5	80.8	80.8	80.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2
GE 2000	71.2	71.2	76.7	78.1	80.8	82.2	83.6	83.6	83.6	84.9	84.9	84.9	84.9	84.9	84.9	84.9
GE 1800	71.2	71.2	78.1	79.5	82.2	83.6	84.9	84.9	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1500	71.2	71.2	78.1	79.5	82.2	83.6	84.9	84.9	84.9	86.3	86.3	86.3	86.3	86.3	86.3	86.3
GE 1200	71.2	71.2	78.1	79.5	82.2	83.6	87.7	87.7	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0
GE 1000	71.2	71.2	78.1	79.5	82.2	83.6	87.7	87.7	87.7	90.4	90.4	91.8	93.2	93.2	93.2	93.2
GE 900	72.6	72.6	79.5	80.8	83.6	84.9	89.0	90.4	90.4	93.2	93.2	94.5	95.9	95.9	95.9	95.9
GE 800	72.6	72.6	79.5	80.8	83.6	84.9	89.0	90.4	90.4	93.2	93.2	94.5	95.9	95.9	95.9	95.9
GE 700	72.6	72.6	79.5	80.8	83.6	84.9	89.0	90.4	90.4	93.2	93.2	94.5	95.9	95.9	95.9	95.9
GE 600	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	94.5	94.5	95.9	97.3	97.3	97.3	97.3
GE 500	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	94.5	94.5	95.9	97.3	97.3	97.3	97.3
GE 400	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	94.5	94.5	95.9	97.3	97.3	97.3	97.3
GE 300	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	95.9	95.9	97.3	98.6	98.6	98.6	98.6
GE 200	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	95.9	95.9	97.3	98.6	98.6	98.6	100.0
GE 100	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	95.9	95.9	97.3	98.6	98.6	98.6	100.0
GE 000	72.6	72.6	79.5	80.8	84.9	86.3	90.4	91.8	91.8	95.9	95.9	97.3	98.6	98.6	98.6	100.0

TOTAL NUMBER OF OBSERVATIONS 73

D - 2 - 100

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: DEC HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.9	46.1	46.4	46.6	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	47.0	47.0	47.0	47.0
GE 20000	52.0	52.2	52.6	52.9	53.2	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.4
GE 18000	52.7	52.9	53.3	53.6	53.9	53.9	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1	54.1	54.1
GE 16000	53.0	53.2	53.6	53.9	54.2	54.2	54.2	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.4
GE 14000	53.6	53.8	54.2	54.5	54.8	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	55.0
GE 12000	55.3	55.5	55.9	56.2	56.5	56.5	56.6	56.6	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
GE 10000	59.7	59.9	60.5	60.8	61.2	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.4	61.4	61.4	61.4
GE 9000	60.4	60.6	61.2	61.5	61.9	62.0	62.0	62.0	62.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1
GE 8000	65.3	65.5	66.4	66.9	67.5	67.5	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8
GE 7000	66.0	66.3	67.3	67.8	68.4	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.8
GE 6000	66.8	67.1	68.1	68.7	69.4	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
GE 5000	68.1	68.5	69.5	70.1	70.9	70.9	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.3
GE 4500	69.0	69.3	70.4	71.1	72.1	72.1	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5
GE 4000	70.8	71.3	72.6	73.3	74.4	74.5	74.7	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	75.0
GE 3500	73.6	74.3	75.9	76.6	77.9	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.5
GE 3000	75.5	76.2	77.9	78.7	80.1	80.2	80.5	80.6	80.6	80.7	80.7	80.7	80.8	80.8	80.8	80.8
GE 2500	76.3	77.3	79.1	80.0	81.5	81.7	82.1	82.2	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4
GE 2000	77.4	78.7	81.0	82.0	83.9	84.2	84.7	84.9	84.9	85.1	85.2	85.2	85.2	85.2	85.2	85.3
GE 1800	77.5	78.9	81.3	82.5	84.5	84.8	85.4	85.6	85.6	85.8	85.9	85.9	86.0	86.0	86.0	86.0
GE 1500	77.7	79.1	81.8	83.1	85.2	85.6	86.4	86.6	86.6	86.9	86.9	87.0	87.0	87.0	87.1	87.1
GE 1200	78.3	79.7	82.5	83.9	86.3	86.8	87.8	88.0	88.0	88.3	88.4	88.4	88.5	88.5	88.5	88.6
GE 1000	78.6	80.1	83.0	84.4	86.9	87.4	89.0	89.3	89.3	89.7	89.7	89.8	89.9	89.9	90.1	90.1
GE 900	78.8	80.4	83.3	84.8	87.2	87.8	89.4	89.8	89.8	90.3	90.3	90.4	90.5	90.5	90.6	90.7
GE 800	78.8	80.5	83.5	85.0	87.6	88.1	90.0	90.5	90.5	91.0	91.0	91.1	91.3	91.3	91.4	91.5
GE 700	78.9	80.6	83.5	85.3	87.9	88.5	90.6	91.2	91.2	91.9	91.9	91.9	92.3	92.3	92.4	92.5
GE 600	78.9	80.6	83.5	85.3	88.1	88.9	91.2	92.0	92.1	92.8	92.8	92.9	93.3	93.3	93.5	93.6
GE 500	78.9	80.6	83.6	85.4	88.4	89.1	92.0	93.1	93.2	94.0	94.2	94.2	95.0	95.0	95.2	95.3
GE 400	78.9	80.6	83.6	85.4	88.6	89.4	92.4	93.9	94.0	95.3	95.7	95.7	96.7	96.7	97.1	97.2
GE 300	78.9	80.6	83.6	85.4	88.6	89.4	92.6	94.1	94.3	95.7	96.3	96.4	97.5	97.5	98.1	98.3
GE 200	78.9	80.6	83.6	85.4	88.6	89.4	92.6	94.2	94.4	96.0	96.6	96.7	98.2	98.2	99.2	99.6
GE 100	78.9	80.6	83.6	85.4	88.6	89.4	92.6	94.2	94.4	96.1	96.6	96.7	98.3	98.3	99.5	99.9
GE 000	78.9	80.6	83.6	85.4	88.6	89.4	92.6	94.2	94.4	96 1	96.6	96.7	98.3	98.3	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

CEILING IN FEET	VISIBILITY IN STATUTE MILES GE 7	GE 6	GE 5	GE 4	GE 3	GE 2 1/2	GE 2	GE 1 1/2	GE 1 1/4	GE 1	GE 3/4	GE 5/8	GE 1/2	GE 3/8	GE 1/4	GE 0
NO CEIL	45.3	46.4	47.8	48.5	49.0	49.0	49.2	49.3	49.3	49.3	49.4	49.4	49.4	49.4	49.5	49.5
GE 20000	51.1	52.4	54.1	54.9	55.5	55.6	55.8	55.8	55.8	55.9	56.0	56.0	56.0	56.0	56.1	56.1
GE 18000	51.6	52.9	54.6	55.5	56.1	56.1	56.3	56.4	56.4	56.5	56.5	56.5	56.6	56.6	56.6	56.7
GE 16000	51.7	53.0	54.7	55.6	56.2	56.2	56.4	56.5	56.5	56.6	56.6	56.6	56.7	56.7	56.7	56.8
GE 14000	52.1	53.4	55.1	56.0	56.6	56.7	56.9	56.9	57.0	57.0	57.1	57.1	57.1	57.1	57.2	57.2
GE 12000	53.7	55.1	57.0	57.8	58.5	58.6	58.8	58.9	58.9	58.9	59.0	59.0	59.1	59.1	59.1	59.2
GE 10000	56.6	58.1	60.1	61.1	61.9	61.9	62.2	62.3	62.3	62.3	62.4	62.4	62.5	62.5	62.5	62.6
GE 9000	57.0	58.6	60.7	61.7	62.4	62.5	62.7	62.8	62.8	62.9	63.0	63.0	63.0	63.1	63.1	63.1
GE 8000	60.5	62.2	64.6	65.8	66.7	66.8	67.0	67.2	67.2	67.3	67.4	67.4	67.4	67.4	67.5	67.5
GE 7000	61.5	63.3	65.9	67.1	68.0	68.1	68.4	68.5	68.5	68.6	68.7	68.7	68.8	68.8	68.8	68.9
GE 6000	62.2	64.0	66.6	67.8	68.8	68.9	69.2	69.4	69.4	69.5	69.5	69.5	69.6	69.6	69.7	69.7
GE 5000	63.4	65.3	68.1	69.5	70.5	70.6	71.0	71.1	71.1	71.2	71.3	71.3	71.4	71.4	71.5	71.5
GE 4500	64.5	66.4	69.3	70.7	71.8	71.9	72.3	72.5	72.5	72.6	72.7	72.7	72.7	72.8	72.8	72.9
GE 4000	66.7	68.8	71.9	73.4	74.6	74.8	75.1	75.4	75.4	75.5	75.6	75.6	75.7	75.7	75.8	75.8
GE 3500	69.0	71.1	74.3	75.9	77.2	77.4	77.8	78.0	78.0	78.2	78.3	78.3	78.4	78.4	78.4	78.5
GE 3000	71.1	73.3	76.8	78.5	80.0	80.2	80.6	80.9	80.9	81.1	81.2	81.2	81.3	81.3	81.4	81.4
GE 2500	72.1	74.5	78.2	80.0	81.6	81.8	82.3	82.6	82.6	82.8	82.9	82.9	83.0	83.0	83.1	83.1
GE 2000	73.2	75.7	79.6	81.5	83.3	83.6	84.1	84.5	84.5	84.7	84.8	84.8	84.9	84.9	85.0	85.1
GE 1800	73.4	75.9	79.9	81.9	83.7	83.9	84.6	84.9	84.9	85.1	85.2	85.3	85.4	85.4	85.5	85.5
GE 1500	74.1	76.8	80.9	83.1	85.2	85.5	86.2	86.6	86.7	86.9	87.1	87.1	87.2	87.2	87.3	87.4
GE 1200	74.7	77.5	81.9	84.2	86.5	86.9	87.8	88.3	88.3	88.6	88.8	88.8	88.9	88.9	89.0	89.1
GE 1000	75.1	77.9	82.5	84.9	87.5	87.9	89.0	89.6	89.6	90.0	90.1	90.2	90.4	90.4	90.5	90.5
GE 900	75.2	78.0	82.7	85.3	87.9	88.3	89.5	90.2	90.3	90.6	90.8	90.8	91.0	91.1	91.2	91.2
GE 800	75.3	78.2	83.0	85.7	88.5	89.0	90.3	91.0	91.1	91.5	91.8	91.8	92.0	92.0	92.2	92.2
GE 700	75.4	78.3	83.3	86.1	89.0	89.6	91.1	91.9	92.0	92.5	92.7	92.8	93.1	93.1	93.2	93.3
GE 600	75.5	78.4	83.4	86.4	89.6	90.3	92.0	93.0	93.1	93.7	94.0	94.0	94.4	94.4	94.6	94.6
GE 500	75.5	78.5	83.6	86.6	90.0	90.8	92.7	93.9	94.1	94.8	95.1	95.2	95.7	95.7	95.9	96.0
GE 400	75.6	78.5	83.6	86.7	90.3	91.1	93.2	94.6	94.8	95.8	96.3	96.3	97.0	97.0	97.3	97.4
GE 300	75.6	78.5	83.7	86.7	90.4	91.2	93.4	95.0	95.2	96.3	96.9	97.0	97.9	97.9	98.3	98.5
GE 200	75.6	78.5	83.7	86.7	90.4	91.2	93.5	95.1	95.3	96.6	97.2	97.3	98.4	98.5	99.0	99.3
GE 100	75.6	78.5	83.7	86.7	90.4	91.2	93.5	95.1	95.3	96.6	97.3	97.4	98.6	98.6	99.4	99.9
GE 000	75.6	78.5	83.7	86.7	90.4	91.2	93.5	95.1	95.3	96.6	97.3	97.4	98.6	98.6	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS: 48715

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				AIRWAY CLASSES				
00-02								0
03-05		100.0						1
06-08	15.2	28.9	23.1	27.8	5.0	55.9	3.4	705
09-11	12.9	27.2	24.2	31.1	4.7	59.9	3.4	876
12-14	10.4	29.5	24.3	31.6	4.3	60.2	1.4	869
15-17	8.8	33.5	26.3	28.2	3.2	57.7	3.4	818
18-20	19.5	34.8	19.7	22.7	3.2	45.6	3.5	660
21-23	40.2	24.4	13.4	15.9	6.1	35.4	2.4	82
ALL HOURS	13.6	30.5	23.5	28.3	4.1	55.9	3.0	4011

MONTH: FEB HOURS: ALL

00-02	50.0		25.0	25.0		50.0		4
03-05				100.0		100.0		3
06-08	10.4	33.2	19.9	31.1	5.3	56.3	3.0	662
09-11	8.7	27.7	23.5	36.5	3.6	63.6	5.5	805
12-14	8.1	26.0	25.9	37.5	2.5	65.9	4.0	800
15-17	8.8	29.6	21.8	37.6	2.2	61.6	3.8	758
18-20	15.6	30.0	15.9	35.2	3.4	54.5	3.9	617
21-23	20.5	32.1	10.3	37.2		47.4	1.3	78
ALL HOURS	10.3	29.1	21.5	35.8	3.3	60.6	4.0	3727

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
	AIRWAY CLASSES							
00-02								0
03-05				50.0	50.0	100.0		2
06-08	10.8	32.2	23.4	29.5	4.1	57.0	4.8	765
09-11	9.2	31.3	24.1	33.6	2.0	59.6	4.4	918
12-14	9.2	28.4	26.7	34.3	1.4	62.4	2.4	916
15-17	10.7	28.5	25.8	32.9	2.2	60.8	2.7	873
18-20	13.6	31.4	19.9	32.4	2.8	55.0	1.5	714
21-23	24.1	19.5	6.9	47.1	2.3	56.3	1.1	87
ALL HOURS	10.8	30.0	23.8	32.9	2.4	59.2	3.2	4275

MONTH: APR HOURS: ALL

00-02				100.0		100.0		2
03-05	3.1	28.1	27.1	36.5	5.2	68.8	14.6	96
06-08	9.9	21.9	25.5	39.6	3.1	68.2	5.9	780
09-11	4.8	26.1	26.0	42.8	.3	69.1	4.1	870
12-14	3.4	26.9	28.6	40.5	.6	69.7	2.2	871
15-17	4.7	27.4	28.3	38.4	1.2	67.9	1.5	803
18-20	7.9	28.4	22.1	39.9	1.7	63.8	1.7	596
21-23	21.7	29.0	11.6	36.2	1.4	49.3		69
ALL HOURS	6.2	26.1	26.1	40.2	1.4	67.7	3.4	4087

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				AIRWAY CLASSES				
00-02				100.0		100.0	100.0	1
03-05	3.7	27.7	28.3	34.6	5.8	68.6	8.4	191
06-08	6.4	27.7	28.1	35.0	2.9	65.9	6.0	834
09-11	4.6	25.7	31.7	37.9	.1	69.7	2.9	852
12-14	3.3	23.6	35.4	37.7		73.1	1.5	852
15-17	3.4	22.6	35.3	38.7		74.0	.7	815
18-20	4.9	27.6	31.0	36.5		67.5	1.3	548
21-23	18.6	32.6	20.9	27.9		48.8	2.3	43
ALL HOURS	4.6	25.5	32.1	37.0	.9	69.9	2.9	4136

MONTH: JUN HOURS: ALL

00-02				100.0		100.0		1
03-05	9.8	32.0	19.1	36.1	3.1	58.2	7.7	194
06-08	8.3	35.0	20.6	34.1	2.0	56.7	5.9	859
09-11	3.3	36.1	26.5	34.0	.1	60.6	3.4	876
12-14	.6	29.5	35.5	34.4		69.9	3.0	874
15-17	1.0	33.2	34.2	31.4	.2	65.8	2.3	825
18-20	3.1	37.1	31.4	28.3		59.8	2.7	547
21-23	21.6	45.1	19.6	13.7		33.3		51
ALL HOURS	3.8	34.0	28.9	32.7	.6	62.2	3.7	4227

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
				AIRWAY CLASSES				
00-02								0
03-05	6.3	37.9	25.8	27.4	2.6	55.8	15.3	190
06-08	6.5	33.7	30.0	28.0	1.8	59.8	12.3	846
09-11	2.9	36.5	31.1	29.3	.2	60.6	7.1	861
12-14	.9	36.6	35.7	26.8		62.5	5.2	859
15-17	.5	36.8	37.8	24.9		62.7	4.2	815
18-20	4.9	38.7	33.1	23.3		56.4	3.4	532
21-23	9.8	48.8	22.0	19.5		41.5	2.4	41
ALL HOURS	3.2	36.5	33.1	26.7	.5	60.3	7.0	4144

MONTH: AUG HOURS: ALL

00-02								0
03-05	5.0	45.7	17.1	27.6	4.5	49.2	11.1	199
06-08	8.9	38.0	22.9	27.9	2.4	53.2	11.4	888
09-11	4.6	37.5	28.7	28.6	.5	57.9	6.1	915
12-14	.5	37.7	33.0	28.7		61.7	6.1	912
15-17	.6	40.1	33.1	26.3		59.3	5.9	853
18-20	3.5	40.3	30.7	25.4		56.2	5.7	566
21-23	23.1	34.6	26.9	15.4		42.3	3.8	52
ALL HOURS	3.9	38.8	29.0	27.4	.8	57.2	7.3	4385

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP HOURS:ALL

HOURS (LST)	CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
			AIRWAY CLASSES					
00-02			25.0	75.0		100.0		4
03-05	10.2	36.9	19.3	28.3	5.3	52.9	9.6	187
06-08	14.8	32.0	20.5	28.6	4.1	53.2	10.3	825
09-11	8.1	35.9	26.4	28.7	.9	56.0	4.1	844
12-14	4.8	34.7	34.3	26.2		60.6	2.5	842
15-17	5.3	37.8	30.9	26.0		56.9	2.7	780
18-20	11.5	39.7	23.9	24.1	.8	48.8	3.2	531
21-23	26.7	28.9	22.2	22.2		44.4		45
ALL HOURS	8.9	35.7	27.0	27.0	1.4	55.4	4.9	4058

MONTH: OCT HOURS: ALL

00-02		50.0	50.0			50.0		2
03-05	26.9	29.5	16.0	23.1	4.5	43.6	9.6	156
06-08	11.7	34.2	22.6	27.1	4.4	54.1	9.3	837
09-11	9.1	36.4	24.6	28.1	1.9	54.6	5.7	883
12-14	7.6	34.6	29.4	27.4	1.0	57.8	2.0	879
15-17	8.5	37.9	24.0	28.6	1.0	53.6	2.6	821
18-20	18.0	36.4	19.1	23.9	2.7	45.6	2.3	561
21-23	23.5	41.2	11.8	17.6	5.9	35.3	7.8	51
ALL HOURS	11.2	35.7	23.9	27.0	2.3	53.1	4.7	4190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV HOURS:ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02								0
03-05	33.3	66.7						3
06-08	7.3	30.4	23.3	35.5	3.5	62.3	6.0	648
09-11	4.7	30.2	28.5	34.4	2.1	65.1	4.1	807
12-14	4.1	30.7	30.3	34.0	.9	65.2	4.0	804
15-17	5.5	32.3	30.0	31.8	.4	62.2	2.6	759
18-20	15.1	29.8	21.8	32.2	1.2	55.1	3.2	597
21-23	21.4	35.7	11.2	27.6	4.1	42.9		98
ALL HOURS	7.3	30.9	26.7	33.4	1.6	61.8	3.8	3716

MONTH: DEC HOURS: ALL

00-02								0
03-05								0
06-08	11.3	30.1	22.3	34.7	1.7	58.7	5.2	692
09-11	6.6	29.6	28.2	33.1	2.5	63.8	3.2	847
12-14	6.4	29.6	25.[illegible]	36.0	2.4	64.0	3.3	830
15-17	7.9	29.7	27.1	33.2	2.1	62.4	3.0	760
18-20	16.3	29.1	18.7	32.9	3.1	54.6	2.9	557
21-23	17.8	26.0	21.9	31.5	2.7	56.2	4.1	73
ALL HOURS	9.3	29.6	24.8	34.0	2.3	61.1	3.5	3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL HOURS: ALL

HOURS (LST)	AIRWAY CLASSES CLEAR	SCATTERED	BROKEN	OVERCAST	TOTAL OBSCURATION	GT 1/2	PARTIAL OBSCURATION	TOTAL OBS
00-02	14.3	7.1	21.4	57.1		78.6	7.1	14
03-05	9.2	34.6	21.4	30.4	4.4	56.1	10.6	1222
06-08	10.1	31.6	23.6	31.5	3.3	58.4	7.2	9341
09-11	6.6	31.7	26.9	33.1	1.6	61.6	4.5	10354
12-14	4.9	30.7	30.4	32.9	1.1	64.4	3.1	10308
15-17	5.5	32.5	29.6	31.4	1.0	62.1	3.0	9660
18-20	11.4	33.5	23.7	29.8	1.6	55.1	2.9	7026
21-23	23.1	31.8	15.3	27.5	2.2	45.1	1.9	770
ALL HOURS	7.7	31.9	26.8	31.8	1.8	60.3	4.3	48715

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PPPPPPPP        AAAAAA        RRRRRRRR        TTTTTTTTTT        EEEEEEEEEE
PPPPPPPPP      AAAAAAAA       RRRRRRRRR       TTTTTTTTTT        EEEEEEEEEE
PP      PP     AA      AA     RR      RR          TT            EE
PP      PP     AA      AA     RR      RR          TT            EE
PPPPPPPPP      AA      AA     RRRRRRRRR           TT            EEEEEE
PPPPPPPP       AAAAAAAAAA     RRRRRRRR            TT            EEEEEE
PP             AAAAAAAAAA     RR    RR            TT            EE
PP             AA      AA     RR     RR           TT            EE
PP             AA      AA     RR      RR          TT            EEEEEEEEEE
PP             AA      AA     RR       RR         TT            EEEEEEEEEE
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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.
ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.
ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.
THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN. THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: F = 1.8C + 32

C = K - 273.0 (BEFORE 5 APRIL 77)
C = K - 273.2 (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).
CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 100							.4	.4					.1
GE 95				.2	.6	.6	4.5	1.1					.6
GE 90				.7	2.9	7.8	18.4	8.9	1.5				3.4
GE 85			.2	1.8	9.7	23.9	46.6	31.6	7.5	.2			10.2
GE 80			.3	3.6	20.1	46.0	70.8	56.1	18.3	1.3			18.2
GE 75			1.0	6.9	36.8	67.4	87.7	77.3	39.6	7.3	.6		27.3
GE 70		.2	3.3	13.8	54.0	81.6	96.8	89.5	59.1	19.3	3.4		35.3
GE 65		.4	7.5	24.1	68.3	90.0	99.1	94.6	78.3	35.8	9.7	1.4	42.7
GE 60	.2	1.8	11.5	38.3	83.4	95.8	99.6	98.4	92.0	53.9	18.8	2.4	49.9
GE 55	2.1	4.5	19.7	55.7	90.1	98.9	100.0	100.0	98.1	74.2	33.6	5.1	57.1
GE 50	3.9	9.6	31.7	72.2	96.1	100.0			100.0	88.9	50.0	8.9	63.7
GE 45	9.6	17.5	51.7	86.8	99.2					97.5	70.6	17.8	71.2
GE 40	20.4	33.6	69.0	97.5	100.0					99.2	85.4	37.4	78.8
GE 35	40.6	53.2	85.2	99.5						100.0	96.2	58.2	86.2
GE 33	48.7	62.1	90.6	99.5							97.6	65.9	88.8
GE 30	60.9	72.7	94.8	99.6							98.8	77.8	92.2
GE 25	78.5	87.2	98.6	99.8							99.6	89.7	96.2
GE 20	89.3	95.9	100.0	100.0							100.0	95.6	98.4
GE 15	96.3	98.8										98.8	99.5
GE 10	99.1	100.0										99.8	99.9
GE 5	99.8											100.0	100.0
GE 0	100.0												100.0
MEAN	32.1	35.8	45.6	56.9	70.0	77.6	83.1	79.9	71.7	60.8	50.3	36.6	58.5
SD	9.79	10.14	11.14	11.25	11.08	9.11	7.22	8.01	8.54	9.15	10.08	10.10	19.98
TOTAL OBS	534	509	574	551	517	528	528	551	535	523	494	505	6349

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 80							.2	.4					.0
GE 75					.4	.6	4.2	2.2					.6
GE 70					.6	5.5	17.4	10.9	1.4				3.0
GE 65					4.4	19.1	43.8	33.2	5.8				9.0
GE 60			.2	.7	12.8	41.1	69.3	55.0	18.0	3.3	1.2		17.0
GE 55			.7	3.8	28.0	64.4	88.8	75.7	38.0	10.4	3.8	.6	26.4
GE 50	.2		1.9	9.5	48.9	86.4	96.8	90.4	58.7	22.6	8.5	.6	35.6
GE 45	.4	.8	4.7	23.1	70.6	98.5	99.6	97.6	74.2	40.2	15.6	1.8	44.1
GE 40	2.1	2.6	11.7	44.9	86.3	100.0	100.0	99.8	88.6	57.9	29.8	4.6	52.4
GE 35	5.6	8.8	27.9	71.5	97.1			100.0	95.9	74.6	52.0	12.3	62.2
GE 33	9.7	14.3	36.9	82.4	98.6				98.8	83.3	58.7	17.4	66.8
GE 30	17.8	22.8	51.4	91.5	100.0				99.8	91.3	71.1	32.3	73.3
GE 25	29.8	34.8	72.5	98.0					100.0	98.6	88.9	50.1	81.2
GE 20	46.8	52.8	84.1	99.3						100.0	96.8	64.0	87.1
GE 15	58.8	67.2	91.8	99.6							99.6	76.2	91.2
GE 10	72.3	79.4	96.2	100.0							100.0	87.3	94.6
GE 5	85.4	88.2	99.1									94.1	97.3
GE 0	93.4	93.7	100.0									98.0	98.8
GE -5	97.8	97.2										98.8	99.5
GE -10	99.1	99.4										99.8	99.9
GE -15	99.8	99.8										100.0	100.0
GE -20	100.0	100.0											100.0
MEAN	17.4	19.4	29.1	39.1	49.5	57.8	62.9	60.3	51.0	42.0	35.2	23.0	40.6
SD	11.91	11.93	9.76	7.69	8.56	7.08	6.82	7.88	9.10	9.35	9.42	11.19	18.00
TOTAL OBS	534	509	574	550	517	528	528	551	516	508	494	505	6314

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

TEMP (DEG-F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
GE 85					.4	.2	2.5	1.3					.4
GE 80					1.4	4.0	15.0	8.9	.8				2.5
GE 75				.4	5.0	19.1	42.0	29.4	4.3				8.5
GE 70				1.3	13.7	43.9	72.3	54.3	15.5	1.2			17.1
GE 65			.3	4.4	31.9	68.0	92.0	78.6	34.1	7.5	1.8		26.8
GE 60			1.7	10.4	51.6	87.3	99.1	94.4	57.6	16.5	5.9	.6	35.7
GE 55	.2		5.1	21.3	71.0	96.8	99.8	98.9	81.6	34.1	10.7	.8	43.5
GE 50	.7	1.2	9.8	38.0	88.4	99.6	100.0	100.0	95.2	59.8	20.4	3.2	51.5
GE 45	2.4	4.7	22.1	62.4	97.5	100.0			100.0	78.0	39.5	6.1	59.5
GE 40	7.3	13.4	41.3	88.2	99.8					94.3	64.2	15.0	68.7
GE 35	18.2	27.1	64.1	98.2	100.0					99.4	83.4	33.7	77.1
GE 33	25.1	33.6	71.6	98.4						100.0	89.9	41.0	80.1
GE 30	35.6	43.0	80.7	99.5							94.5	53.7	84.0
GE 25	52.4	62.3	91.3	99.6							99.2	71.9	89.8
GE 20	68.2	79.6	96.5	99.8							99.8	84.4	94.1
GE 15	84.8	91.0	99.3	100.0							100.0	94.9	97.5
GE 10	93.4	95.9	100.0									97.8	98.9
GE 5	98.1	98.8										99.4	99.7
GE 0	100.0	100.0										100.0	100.0
MEAN	25.0	27.8	37.6	48.2	60.0	67.9	73.2	70.3	61.4	51.5	43.0	30.0	49.8
SD	10.11	10.11	9.52	8.37	8.65	7.06	6.05	6.90	7.46	8.01	8.93	9.98	18.50
TOTAL OBS	534	509	574	550	517	528	528	551	516	508	494	505	6314

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										*	*	*	*
61	*	*	*	*	*	*	*	*	92*	81*	74	54	92*
62	51	55	77	91	96	91	92	90	86	79	66	68	96
63	49	46	71	72	86	95	100	88	85				100*
74	56*	55*	68*	87*	88*	95*	92*	92	86	77*	75	56	95*
75	48	54	58	70	94	93	93	102	79	83	74	67*	102*
76	52	68	74	95	88	93	92	93	86	76	65	54	95
77	37	47	86	86	91	87	96	94	88	75	74	47*	96*
78	58	39	60	75	90	90	95	89	87	78	74*	59*	95*
79	58	54	77	80	96	93	98	91	86	87	72	65*	98*
80	56	52	62	75	88	94	96	92	93	74	61	62	96
81	46	64	75	74	91	99	100	95	87	75	66	53	100
82	48	52	70	84	89	88	98	89	85	77	74	68*	98*
83	58	58	6[illegible]	83	78	92	93	93	94	80	65	50	94
84	45	60	50	79	85	93	91	90	83	76	67	69	93
85	37	70	73	85	94	88	92	96	89	77	76	57	96
86	61	46	73	78	93	89	95	87	86	77	69	59	95
87	48	47	71	74	92	88	93	94	85	70	75	54	94
88	58	55	67	70	86*	94*	95*	95	80*	82	66*	58*	95*
89	53	64	75	68	88*	91	95*	88	92*	75*	72*	36*	95*
90	56	59	81	89									89*

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
GREATEST	61	70	86	95	96	99	100	102	94	87	76	69	102
TOTAL OBS	534	509	574	551	517	528	528	551	535	523	494	505	6349

THE GREATEST VALUE OF 102 OCCURRED ON 08/02/75

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										*	*	*	*
61	*	*	*	*	*	*	*	*	52*	28*	22	2	2*
62	-2	-17	5	20	32	44	43	45	30	24	16	-7	-17
63	0	-9	9	24	33	44	47	44	28				-9*
74	33*	-1*	11*	26*	35*	44*	52*	45	33	25*	15	12	-1*
75	5	-13	11	25	39	45	52	49	35	33	26	2*	-13*
76	-18	9	10	21	36	42	45	43	32	24	12	-1	-18
77	-5	-3	20	24	31	40	47	44	40	26	25	-8*	-8*
78	0	-10	4	22	36	48	49	51	32	21	16*	7*	-10*
79	1	-10	15	33	42	47	48	42	33	30	28	3*	-10*
80	5	1	4	33	37	45	58	51	33	23	19	-11	-11
81	-12	5	15	32	31	48	54	45	37	30	22	12	-12
82	-13	1	4	13	40	47	56	38	40	25	23	8*	-13*
83	2	-1	19	32	32	41	50	45	33	25	27	3	-1
84	-15	-4	3	26	30	46	49	46	35	25	21	13	-15
85	0	-7	9	25	31	48	47	48	37	29	23	3	-7
86	1	9	4	32	36	42	50	40	34	28	14	12	1
87	-9	-2	5	28	33	48	50	44	38	24	17	0	-9
88	-15	5	12	29	35*	42*	42*	41	36*	24	22*	-5*	-15*
89	6	7	5	22	36*	48	53*	46	32*	31*	19*	2*	2*
90	9	-3	5	24									-3*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
LEAST	-18	-17	3	13	30	40	42	38	28	21	12	-11	-18
TOTAL OBS	534	509	574	550	517	528	528	551	516	508	494	505	6314

THE LEAST VALUE OF -18 OCCURRED ON 01/19/76

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: +05

PERIOD OF RECORD: 6010-6309,7401-9004
MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
60										*	*	*	0*
61	*	*	*	*	*	*	*	*	62*	49*	41	29	38*
62	24	22	37	47	57	68	68	69	60	50	39	25	47
63	25	22	36	47	58	68	74	68	59				51*
74	47*	27*	37*	52*	58*	67*	72*	71	61	49*	42	33	53*
75	29	28	35	44	64	68	77	71	61	55	49	32*	52*
76	22	35	38	52	59	73	71	69	62	49	37	24	49
77	18	27	42	50	62	66	73	71	62	53	44	27*	50*
78	24	21	34	47	60	69	72	71	59	51	41*	32*	49*
79	27	21	43	50	63	70	76	69	61	52	47	33*	51*
80	28	25	37	49	60	67	75	73	63	50	40	26	50
81	19	33	37	51	60	72	76	72	63	51	43	33	51
82	18	28	39	47	63	66	76	67	62	51	46	38*	50*
83	29	32	39	48	56	68	73	71	64	51	43	29	51
84	24	34	32	47	56	68	71	72	60	54	43	36	50
85	21	30	40	50	62	66	74	70	63	54	46	28	51
86	31	29	38	51	62	66	71	69	61	53	42	33	51
87	24	28	38	49	60	68	73	68	62	50	43	32	50
88	24	29	38	46	60*	67*	75*	75	62*	50	45*	30*	49*
89	31	28	33	44	60*	67	72*	71	63*	54*	43*	20*	49*
90	32	30	40	47									37*

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: 6010-6309,7401-9004
LST TO UTC: +05 MONTH: ALL HOURS: ALL

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
MEAN	25.0	27.8	37.6	48.2	60.0	67.9	73.2	70.3	61.4	51.5	43.0	30.0	49.8
TOTAL OBS	534	509	574	550	517	528	528	551	516	508	494	505	6314

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	39.0	.000	1	0	0	0	0	0	1
06-08	19.2	13.054	705	60	588	0	0	0	705
09-11	24.9	11.089	876	12	646	0	0	0	876
12-14	30.2	10.182	869	0	496	0	0	0	869
15-17	30.1	10.210	818	2	475	0	0	0	818
18-20	25.7	10.464	660	5	472	0	0	0	660
21-23	21.4	12.977	82	2	56	0	0	0	82
ALL HOURS	26.2	11.733	4011	81	2733	0	0	0	4011

MONTH: FEB

00-02	29.8	12.487	4	0	3	0	0	0	4
03-05	44.0	1.000	3	0	0	0	0	0	3
06-08	24.6	11.212	662	16	494	0	0	0	662
09-11	30.6	9.886	805	0	463	1	0	0	805
12-14	35.5	9.775	800	0	307	3	0	0	800
15-17	35.9	9.822	758	0	277	3	0	0	758
18-20	31.8	9.270	617	0	331	1	0	0	617
21-23	28.4	7.868	78	0	54	0	0	0	78
ALL HOURS	31.8	10.756	3727	16	1929	8	0	0	3727

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	17.5	2.121	2	0	2	0	0	0	2
06-08	31.4	10.505	765	0	387	0	0	0	765
09-11	38.6	10.467	918	0	252	11	0	0	918
12-14	43.1	10.942	916	0	142	45	0	0	916
15-17	43.7	11.013	873	0	112	44	2	0	873
18-20	38.9	9.552	714	0	175	8	0	0	714
21-23	36.5	7.251	87	0	23	0	0	0	87
ALL HOURS	39.3	11.302	4275	0	1093	108	2	0	4275

MONTH: APR

00-02	39.5	.707	2	0	0	0	0	0	2
03-05	40.1	7.837	96	0	16	0	0	0	96
06-08	42.5	8.044	780	0	58	4	0	0	780
09-11	49.5	9.512	870	0	12	59	4	0	870
12-14	53.5	10.491	871	0	9	135	11	0	871
15-17	54.1	10.902	803	0	8	149	12	0	803
18-20	49.2	9.540	596	0	8	41	3	0	596
21-23	44.8	8.812	69	0	3	0	0	0	69
ALL HOURS	49.6	10.685	4087	0	114	388	30	0	4087

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIR MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	52.0	.000	1	0	0	0	0	0	1
03-05	49.0	8.488	191	0	5	7	0	0	191
06-08	55.2	9.012	834	0	1	134	7	0	834
09-11	63.1	10.249	852	0	0	368	56	0	852
12-14	67.0	11.136	852	0	0	502	126	2	852
15-17	66.8	10.998	815	0	0	482	101	2	815
18-20	61.5	9.605	548	0	0	202	22	0	548
21-23	57.7	8.237	43	0	0	9	0	0	43
ALL HOURS	62.1	11.412	4136	0	6	1704	312	4	4136

MONTH: JUN

00-02	62.0	.000	1	0	0	0	0	0	1
03-05	57.4	6.937	194	0	0	31	0	0	194
06-08	63.1	7.542	859	0	0	371	12	0	859
09-11	70.7	9.093	876	0	0	647	159	0	876
12-14	74.5	9.824	874	0	0	721	303	11	874
15-17	74.6	9.959	825	0	0	662	285	6	825
18-20	70.5	8.718	547	0	0	406	85	1	547
21-23	61.8	7.542	51	0	0	16	1	0	51
ALL HOURS	70.0	10.359	4227	0	0	2874	845	18	4227

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	62.4	6.746	190	0	0	75	1	0	190
06-08	68.6	6.616	846	0	0	618	45	0	846
09-11	77.0	7.411	861	0	0	810	320	12	861
12-14	80.9	7.831	859	0	0	829	527	41	859
15-17	81.0	7.736	815	0	0	786	532	40	815
18-20	76.4	6.617	532	0	0	513	174	4	532
21-23	69.8	6.228	41	0	0	34	4	0	41
ALL HOURS	76.1	9.067	4144	0	0	3665	1603	97	4144

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	60.2	7.755	199	0	0	63	0	0	199
06-08	65.0	7.738	888	0	0	481	24	0	888
09-11	74.1	7.773	915	0	0	815	243	0	915
12-14	78.4	8.173	912	0	0	850	445	19	912
15-17	78.0	7.992	853	0	0	797	197	10	853
18-20	72.1	7.209	566	0	0	482	94	0	566
21-23	66.7	6.139	52	0	0	29	2	0	52
ALL HOURS	72.9	9.687	4385	0	0	3517	1205	29	4385

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	62.8	6.850	4	0	0	1	0	0	4
03-05	52.8	9.359	187	0	1	19	0	0	187
06-08	55.7	9.187	825	0	1	142	0	0	825
09-11	65.6	8.326	844	0	0	446	52	0	844
12-14	70.4	8.520	842	0	0	628	125	4	842
15-17	70.1	8.286	780	0	0	570	102	0	780
18-20	63.0	8.248	531	0	0	219	12	0	531
21-23	57.3	9.248	45	0	0	11	0	0	45
ALL HOURS	64.4	10.464	4058	0	2	2036	291	4	4058

MONTH: OCT

00-02	45.0	12.728	2	0	0	0	0	0	2
03-05	44.0	9.771	156	0	16	1	0	0	156
06-08	45.0	9.533	837	0	87	17	0	0	837
09-11	54.3	8.251	883	0	0	106	0	0	883
12-14	59.4	8.391	879	0	0	268	3	0	879
15-17	58.4	8.259	821	0	0	206	1	0	821
18-20	51.3	8.168	561	0	1	33	0	0	561
21-23	45.1	8.757	51	0	2	1	0	0	51
ALL HOURS	53.4	10.316	4190	0	106	632	4	0	4190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	28.3	6.658	3	0	2	0	0	0	3
06-08	38.8	9.891	648	0	172	7	0	0	648
09-11	44.4	9.318	807	0	61	18	0	0	807
12-14	48.4	9.336	804	0	21	48	0	0	804
15-17	47.6	9.351	759	0	31	39	0	0	759
18-20	43.0	8.900	597	0	66	11	0	0	597
21-23	41.2	9.564	98	0	17	2	0	0	98
ALL HOURS	44.6	9.930	3716	0	370	125	0	0	3716

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	26.4	11.613	692	10	480	3	0	0	692
09-11	31.0	10.558	847	2	474	4	0	0	847
12-14	35.1	9.797	830	0	328	9	0	0	830
15-17	34.6	9.620	760	0	322	7	0	0	760
18-20	31.7	9.848	557	0	296	0	0	0	557
21-23	31.9	11.789	73	1	36	0	0	0	73
ALL HOURS	31.9	10.812	3759	13	1936	23	0	0	3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 0	LE 32	GE 65	GE 80	GE 93	TOTAL HOURS
00-02	46.6	15.988	14	0	3	1	0	0	14
03-05	53.3	11.019	1222	0	42	196	1	0	1222
06-08	46.0	18.756	9341	86	2268	1777	88	0	9341
09-11	52.2	19.846	10354	14	1908	3285	834	12	10354
12-14	56.6	19.712	10308	0	1303	4038	1540	77	10308
15-17	56.5	19.668	9680	2	1225	3765	1432	58	9680
18-20	50.2	18.882	7026	5	1349	1916	390	5	7026
21-23	43.4	17.190	770	3	191	102	7	0	770
ALL HOURS	52.4	19.653	48715	110	8289	15080	4292	152	48715

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	38.0	.000	1	0	0	0	0	0	1
06-08	17.3	12.511	704	625	4	0	0	0	704
09-11	21.8	10.439	874	748	5	0	0	0	874
12-14	25.7	9.350	869	647	6	0	0	0	869
15-17	25.6	9.415	818	613	4	0	0	0	818
18-20	22.4	9.989	660	549	0	0	0	0	660
21-23	18.8	12.286	82	67	0	0	0	0	82
ALL HOURS	22.7	10.821	4008	3249	19	0	0	0	4008

MONTH: FEB

00-02	26.0	10.328	4	3	0	0	0	0	4
03-05	38.7	.577	3	0	0	0	0	0	3
06-08	22.4	10.943	661	539	5	0	0	0	661
09-11	26.9	9.681	805	591	14	0	0	0	805
12-14	30.1	9.229	798	506	28	0	0	0	798
15-17	30.4	9.130	758	471	29	0	0	0	758
18-20	27.9	9.214	617	436	9	0	0	0	617
21-23	25.2	7.905	78	66	0	0	0	0	78
ALL HOURS	27.6	10.026	3724	2612	85	0	0	0	3724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	15.5	.707	2	2	0	0	0	0	2
06-08	28.3	10.051	765	489	16	0	0	0	765
09-11	33.1	9.467	917	419	51	0	0	0	917
12-14	35.6	9.041	916	323	68	0	0	0	916
15-17	35.9	9.016	873	295	77	0	0	0	873
18-20	33.2	8.709	714	337	38	0	0	0	714
21-23	32.4	7.541	87	45	1	0	0	0	87
ALL HOURS	33.3	9.621	4274	1910	251	0	0	0	4274

MONTH: APR

00-02	39.0	1.414	2	0	0	0	0	0	2
03-05	37.4	8.275	96	23	12	0	0	0	96
06-08	39.1	7.780	780	137	83	0	0	0	780
09-11	42.7	7.979	869	67	160	3	0	0	869
12-14	44.7	8.070	869	27	213	3	0	0	869
15-17	45.0	8.193	802	29	204	2	0	0	802
18-20	42.7	8.210	596	49	107	0	0	0	596
21-23	40.6	8.687	69	9	9	0	0	0	69
ALL HOURS	42.7	8.393	4083	341	788	8	0	0	4083

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	52.0	.000	1	0	1	0	0	0	1
03-05	46.8	8.314	191	8	70	0	0	0	191
06-08	50.6	8.075	833	4	430	18	0	0	833
09-11	54.1	8.012	852	0	569	61	4	0	852
12-14	55.5	7.866	852	0	634	77	5	0	852
15-17	55.4	7.762	815	0	612	66	6	0	815
18-20	53.1	7.807	548	2	352	28	4	0	548
21-23	51.9	8.127	43	1	24	1	0	0	43
ALL HOURS	53.4	8.221	4135	15	2692	251	19	0	4135

MONTH: JUN

00-02	53.0	.000	1	0	1	0	0	0	1
03-05	54.6	6.735	194	0	145	6	0	0	194
06-08	58.0	6.362	857	0	785	89	3	0	857
09-11	61.1	6.591	876	0	844	207	28	0	876
12-14	62.3	6.415	874	0	859	257	45	0	874
15-17	62.3	6.405	825	0	810	249	44	0	825
18-20	60.9	6.413	547	0	525	125	20	0	547
21-23	57.0	6.107	51	0	43	4	0	0	51
ALL HOURS	60.6	6.806	4225	0	4012	937	140	0	4225

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	59.9	6.550	190	0	180	35	2	0	190
06-08	63.8	5.572	845	0	837	283	41	0	845
09-11	67.2	5.371	859	0	859	497	154	2	859
12-14	68.1	5.321	859	0	859	546	197	5	859
15-17	68.2	5.217	815	0	815	534	189	4	815
18-20	67.0	4.957	532	0	532	287	78	1	532
21-23	64.1	4.937	41	0	41	12	1	0	41
ALL HOURS	66.5	5.811	4141	0	4123	2194	662	12	4141

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	0	0
03-05	58.4	7.806	199	0	167	31	4	0	199
06-08	61.4	7.187	888	0	839	231	44	0	888
09-11	65.5	6.533	915	0	900	415	143	2	915
12-14	66.7	6.288	911	0	901	472	166	7	911
15-17	66.5	5.886	852	0	848	444	132	5	852
18-20	65.1	5.671	566	0	562	228	60	1	566
21-23	62.6	4.785	52	0	52	12	1	0	52
ALL HOURS	64.7	6.914	4383	0	4269	1833	550	15	4383

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	62.3	5.852	4	0	4	1	0	0	4
03-05	50.9	9.370	187	3	110	7	0	0	187
06-08	52.9	8.846	825	3	552	54	5	0	825
09-11	58.3	7.458	844	0	746	125	32	0	844
12-14	60.0	7.310	842	0	789	171	43	0	842
15-17	60.0	7.087	780	0	730	143	40	0	780
18-20	57.4	7.740	531	0	449	70	14	0	531
21-23	53.5	8.851	45	0	27	4	0	0	45
ALL HOURS	57.4	8.381	4058	6	3407	575	134	0	4058

MONTH: OCT

00-02	39.5	9.192	2	0	0	0	0	0	2
03-05	41.4	9.691	156	31	36	1	0	0	156
06-08	42.0	9.450	837	142	195	3	0	0	837
09-11	47.7	7.883	883	8	357	1	0	0	883
12-14	49.9	7.609	879	0	455	15	0	0	879
15-17	49.6	7.706	821	0	415	14	1	0	821
18-20	46.2	8.382	561	20	200	5	0	0	561
21-23	41.2	8.616	51	9	12	0	0	0	51
ALL HOURS	46.9	8.823	4190	210	1670	39	1	0	4190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0	0
03-05	24.3	4.882	3	3	0	0	0	0	3
06-08	35.7	9.974	648	275	68	1	0	0	648
09-11	39.2	9.063	807	197	116	1	0	0	807
12-14	41.3	8.668	803	103	126	2	0	0	803
15-17	40.8	8.715	759	116	118	3	0	0	759
18-20	38.4	8.960	597	163	75	3	0	0	597
21-23	36.8	9.503	98	35	10	1	0	0	98
ALL HOURS	39.1	9.289	3715	892	513	11	0	0	3715

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	0	0
03-05	.0	.000	0	0	0	0	0	0	0
06-08	24.1	11.290	692	548	10	0	0	0	692
09-11	27.4	10.089	847	611	18	0	0	0	847
12-14	30.1	9.357	830	512	33	0	0	0	830
15-17	29.9	9.337	760	486	27	0	0	0	760
18-20	28.2	9.742	557	393	15	0	0	0	557
21-23	28.5	11.518	73	49	4	0	0	0	73
ALL HOURS	28.0	10.213	3759	2599	107	0	0	0	3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 32	GE 50	GE 67	GE 73	GE 80	TOTAL HOURS
00-02	43.9	16.112	14	3	6	1	0	0	14
03-05	51.0	11.049	1222	70	720	80	6	0	1222
06-08	42.6	17.818	9335	2762	3824	679	93	0	9335
09-11	45.6	17.433	10348	2641	4639	1310	361	4	10348
12-14	47.7	16.541	10302	2118	4971	1543	456	12	10302
15-17	47.7	16.496	9678	2010	4689	1455	412	9	9678
18-20	44.3	16.943	7026	1949	2864	746	176	2	7026
21-23	39.4	16.462	770	281	223	34	2	0	770
ALL HOURS	45.7	17.067	48695	11834	21936	5848	1506	27	48695

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0
03-05	36.0	.000	1	0	0	1	0	1
06-08	9.3	15.752	704	611	12	703	0	704
09-11	12.1	14.500	874	746	24	873	0	874
12-14	13.8	14.076	869	727	30	869	0	869
15-17	13.5	14.431	818	681	31	818	0	818
18-20	12.5	14.184	660	558	23	660	0	660
21-23	9.3	15.822	82	69	2	82	0	82
ALL HOURS	12.3	14.705	4008	3392	122	4006	0	4008

MONTH: FEB

00-02	18.3	10.243	4	3	0	4	0	798
03-05	31.0	.707	3	0	0	3	0	798
06-08	15.6	14.126	661	502	44	661	0	798
09-11	17.2	14.247	805	604	72	805	0	798
12-14	17.8	14.439	798	597	86	796	0	798
15-17	18.1	14.478	758	563	80	753	0	798
18-20	18.2	14.265	617	448	60	614	0	798
21-23	16.7	11.911	78	65	3	78	0	798
ALL HOURS	17.4	14.306	3724	2782	345	3714	0	3724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0
03-05	8.0	5.657	2	2	0	2	0	2
06-08	21.2	13.401	765	501	93	764	0	765
09-11	22.3	13.928	917	560	124	914	0	917
12-14	22.5	13.722	916	570	124	908	0	916
15-17	22.3	13.844	873	567	114	865	0	873
18-20	22.1	13.614	714	474	90	708	0	714
21-23	24.3	12.506	87	53	11	87	0	87
ALL HOURS	22.1	13.708	4274	2727	556	4248	0	4274

MONTH: APR

00-02	38.0	2.828	2	0	1	2	0	869
03-05	33.2	10.922	96	28	33	95	0	869
06-08	33.9	10.532	780	191	317	768	0	869
09-11	33.6	11.642	869	245	349	845	0	869
12-14	33.6	11.932	869	271	358	838	0	869
15-17	33.6	12.185	802	248	332	767	0	869
18-20	33.8	12.278	596	170	261	575	0	869
21-23	34.4	11.740	69	18	31	67	0	869
ALL HOURS	33.7	11.709	4083	1171	1682	3957	0	4083

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	52.0	.000	1	0	1	1	0	1
03-05	44.5	9.411	191	6	149	166	1	191
06-08	46.2	9.744	833	31	706	667	14	833
09-11	45.7	11.276	852	57	660	662	20	852
12-14	45.1	11.490	852	71	639	667	14	852
15-17	44.9	11.629	815	66	609	653	18	815
18-20	45.0	11.317	548	41	416	441	9	548
21-23	46.3	10.452	43	2	39	32	1	43
ALL HOURS	45.4	11.057	4135	274	3219	3289	77	4135

MONTH: JUN

00-02	45.0	.000	1	0	1	1	0	874
03-05	52.4	7.746	194	0	190	118	8	874
06-08	54.1	7.566	857	0	848	493	72	874
09-11	54.2	8.753	876	0	847	468	114	874
12-14	53.7	8.940	874	1	840	484	111	874
15-17	53.6	9.153	825	1	790	467	110	874
18-20	53.9	8.677	547	0	534	310	68	874
21-23	53.2	6.696	51	0	51	33	2	874
ALL HOURS	53.8	8.604	4225	2	4101	2374	485	4225

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0
03-05	58.2	7.195	190	0	190	66	41	190
06-08	60.8	6.481	845	0	845	169	266	845
09-11	61.4	7.311	859	0	859	180	325	859
12-14	60.6	7.726	859	0	856	211	311	859
15-17	60.6	7.621	815	0	812	202	293	815
18-20	61.3	6.855	532	0	531	107	189	532
21-23	60.6	5.620	41	0	41	8	12	41
ALL HOURS	60.8	7.273	4141	0	4134	943	1437	4141

MONTH: AUG

00-02	.0	.000	0	0	0	0	0	911
03-05	57.1	8.259	199	0	197	76	37	911
06-08	59.0	7.807	888	0	887	277	241	911
09-11	60.2	8.376	915	0	906	247	324	911
12-14	59.5	8.483	911	0	902	299	285	911
15-17	59.5	8.166	852	0	847	265	264	911
18-20	60.6	6.989	566	0	566	135	180	911
21-23	60.0	4.941	52	0	52	9	9	911
ALL HOURS	59.6	8.096	4383	0	4357	1308	1340	4383

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	62.0	5.354	4	0	4	0	1	4
03-05	49.2	10.185	187	2	163	128	11	187
06-08	50.5	9.631	825	4	753	563	58	825
09-11	52.5	9.526	844	7	805	505	86	844
12-14	52.0	10.196	842	11	794	506	98	842
15-17	52.1	10.028	780	8	731	480	90	780
18-20	53.0	9.565	531	4	508	311	60	531
21-23	50.2	9.650	45	0	43	31	4	45
ALL HOURS	51.8	9.904	4058	36	3801	2524	408	4058

MONTH: OCT

00-02	32.5	7.778	2	1	1	2	0	879
03-05	38.1	11.038	156	27	78	145	1	879
06-08	38.1	11.041	837	156	423	775	1	879
09-11	40.3	10.844	883	101	526	790	3	879
12-14	39.6	11.631	879	132	506	790	7	879
15-17	39.7	11.855	821	134	483	738	10	879
18-20	40.2	11.096	561	82	345	506	7	879
21-23	35.9	10.663	51	14	22	50	0	879
ALL HOURS	39.4	11.347	4190	647	2384	3796	29	4190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	.0	.000	0	0	0	0	0	0
03-05	14.7	6.110	3	3	0	3	0	3
06-08	30.3	12.358	648	303	194	622	3	648
09-11	31.3	12.457	807	337	257	780	2	807
12-14	31.2	12.735	803	327	267	776	3	803
15-17	30.8	12.808	759	319	260	737	3	759
18-20	31.1	12.270	597	238	180	579	6	597
21-23	29.8	12.202	98	47	25	96	2	98
ALL HOURS	30.9	12.548	3715	1574	1183	3593	19	3715

MONTH: DEC

00-02	.0	.000	0	0	0	0	0	830
03-05	.0	.000	0	0	0	0	0	830
06-08	17.7	14.046	692	519	48	689	0	830
09-11	18.8	13.648	847	631	70	841	0	830
12-14	19.1	13.909	830	619	79	822	0	830
15-17	19.3	14.176	760	556	86	752	0	830
18-20	19.6	13.878	557	400	51	554	0	830
21-23	20.6	14.940	73	53	11	73	0	830
ALL HOURS	18.9	13.969	3759	2778	345	3731	0	3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	MEAN	STANDARD DEVIATION	TOTAL OBS	MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F LE 27	GE 37	LE 55	GE 65	TOTAL HOURS
00-02	39.9	18.784	14	4	8	10	1	14
03-05	48.8	12.392	1222	68	1000	803	99	1222
06-08	37.9	20.346	9335	2818	5170	7151	655	9335
09-11	37.6	20.377	10348	3288	5499	7910	874	10348
12-14	37.6	20.015	10302	3326	5481	7966	829	10302
15-17	37.5	20.099	9678	3143	5175	7497	788	9678
18-20	36.5	20.281	7026	2415	3565	5500	519	7026
21-23	32.9	19.790	770	321	331	646	30	770
ALL HOURS	37.7	20.142	48695	15383	26229	37483	3795	48695

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JAN

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		89.0	1
06-08	100.0	99.6	97.3	89.6	76.4	61.2	41.2	19.2	7.1	63.9	704
09-11	100.0	99.2	93.1	78.5	62.5	44.9	28.6	15.1	6.1	57.4	874
12-14	100.0	98.0	83.1	64.6	44.3	30.0	18.6	10.7	4.8	50.1	869
15-17	100.0	96.7	82.2	65.0	42.5	29.1	17.8	10.4	4.5	49.7	818
18-20	100.0	99.2	92.6	79.7	58.9	41.4	24.7	10.9	4.4	55.9	660
21-23	100.0	100.0	96.3	80.5	68.3	46.3	23.2	12.2	3.7	58.0	82
ALL HOURS	100.0	98.5	89.4	74.9	56.5	40.8	25.7	13.2	5.3	55.2	4008

MONTH: FEB

HOURS LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	50.0				59.8	4
03-05	100.0	100.0	100.0	100.0	100.0	66.7				60.0	3
06-08	100.0	100.0	98.6	93.0	79.9	67.8	47.2	28.1	13.0	67.6	661
09-11	100.0	99.1	92.4	78.0	57.9	40.4	28.1	20.4	9.6	57.2	805
12-14	100.0	96.0	82.0	57.6	38.1	27.4	20.8	14.5	7.9	49.1	798
15-17	100.0	96.0	77.7	56.5	40.2	28.6	22.0	17.3	9.0	49.4	758
18-20	100.0	98.2	90.6	74.6	57.7	42.9	31.3	21.6	12.3	57.7	617
21-23	100.0	100.0	94.9	88.5	67.9	46.2	29.5	14.1	9.0	60.3	78
ALL HOURS	100.0	97.9	88.1	71.6	54.2	40.7	29.2	19.9	10.1	55.9	3724

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAR

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	50.0	50.0	50.0	50.0		64.5	2
06-08	100.0	100.0	97.3	89.4	74.4	59.6	44.6	28.9	16.2	66.0	765
09-11	100.0	98.0	84.8	67.2	48.7	35.7	25.5	17.0	9.9	53.6	917
12-14	100.0	91.5	75.1	52.1	34.9	25.4	18.4	13.4	7.9	46.6	916
15-17	100.0	89.1	70.9	46.8	35.3	25.7	18.2	12.5	7.8	45.5	873
18-20	100.0	96.5	84.0	63.6	47.5	34.7	23.9	16.9	10.1	52.6	714
21-23	100.0	98.9	93.1	81.6	66.7	49.4	42.5	27.6	14.9	62.3	87
ALL HOURS	100.0	94.9	82.2	63.5	47.8	35.8	26.0	17.7	10.3	52.7	4274

MONTH: APR

00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	50.0	94.5	2
03-05	100.0	100.0	100.0	99.0	90.6	79.2	66.7	53.1	28.1	77.0	96
06-08	100.0	100.0	99.5	94.4	84.4	71.7	57.9	43.7	26.3	73.2	780
09-11	100.0	99.1	89.3	72.7	56.4	42.9	32.5	23.6	12.2	57.9	869
12-14	100.0	95.2	78.0	59.0	44.6	33.5	26.2	18.1	9.4	51.4	869
15-17	100.0	94.1	75.6	58.5	44.5	31.7	25.1	17.8	10.6	50.6	802
18-20	100.0	97.5	88.1	74.3	59.1	45.8	34.6	25.3	16.1	59.1	596
21-23	100.0	100.0	100.0	89.9	76.8	62.3	46.4	31.9	27.5	69.0	69
ALL HOURS	100.0	97.3	86.4	72.3	58.5	45.8	35.9	26.3	15.2	58.8	4083

E - 6 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: MAY

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	1
03-05	100.0	100.0	100.0	100.0	97.4	94.8	88.5	72.3	46.6	85.4	191
06-08	100.0	100.0	99.3	96.0	90.0	77.9	60.7	44.2	23.4	74.0	833
09-11	100.0	98.8	89.7	75.7	58.0	40.6	29.8	20.2	12.7	57.2	852
12-14	100.0	96.5	79.0	57.5	42.1	30.0	23.7	17.5	9.9	50.3	852
15-17	100.0	94.6	77.8	57.3	41.7	30.2	25.0	18.9	9.4	50.5	815
18-20	100.0	98.2	90.7	75.7	59.7	43.8	33.6	23.9	13.5	58.9	548
21-23	100.0	100.0	100.0	95.3	76.7	60.5	44.2	30.2	11.6	67.5	43
ALL HOURS	100.0	97.7	87.8	73.8	60.2	47.0	37.2	27.2	15.3	59.5	4135

MONTH: JUN

00-02	100.0	100.0	100.0	100.0	100.0					53.0	1
03-05	100.0	100.0	100.0	99.5	99.5	94.8	87.1	73.7	42.8	84.5	194
06-08	100 0	100.0	99.9	98.7	92.2	80.7	59.6	41.1	23.3	74.3	857
09-11	100.0	100.0	96.2	83.7	62.1	41.3	29.7	20.4	11.9	59.3	876
12-14	100.0	99.4	90.8	65.9	42.2	30.5	23.0	16.6	9.6	52.6	874
15-17	100.0	99.2	89.0	62.2	43.4	32.1	24.8	18.2	9.9	52.5	825
18-20	100.0	99.8	97.4	82.1	61.6	41.7	30.0	19.9	11.3	59.0	547
21-23	100.0	100.0	100.0	100.0	96.1	78.4	60.8	49.0	19.6	74.9	51
ALL HOURS	100.0	99.7	94.8	79.6	62.5	48.2	36.5	26.1	14.8	60.9	4225

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: JUL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	98.9	91.6	73.7	50.0	86.5	190
06-08	100.0	100.0	100.0	100.0	97.5	88.6	70.8	45.4	23.0	77.3	845
09-11	100.0	100.0	98.7	90.6	70.8	48.4	29.6	15.5	9.0	61.0	859
12-14	100.0	100.0	95.1	75.2	49.2	29.3	18.9	9.8	5.7	52.9	859
15-17	100.0	100.0	94.5	74.8	46.5	29.2	19.3	10.6	5.5	52.8	815
18-20	100.0	100.0	99.1	93.2	74.4	51.1	29.3	14.8	8.8	61.7	532
21-23	100.0	100.0	100.0	100.0	97.6	87.8	68.3	26.8	17.1	74.0	41
ALL HOURS	100.0	100.0	97.5	87.1	69.1	51.9	36.9	22.1	12.4	62.4	4141

MONTH: AUG

00-02										.0	0
03-05	100.0	100.0	100.0	100.0	100.0	100.0	99.0	89.9	56.8	89.7	199
06-08	100.0	100.0	100.0	100.0	99.5	96.4	83.0	62.0	30.5	81.8	888
09-11	100.0	100.0	100.0	95.2	80.9	55.0	31.5	17.8	9.1	63.7	915
12-14	100.0	100.0	98.1	83.2	55.7	31.2	17.5	10.5	6.6	54.7	911
15-17	100.0	100.0	97.4	80.5	56.5	33.1	20.4	12.9	8.3	55.7	852
18-20	100.0	100.0	100.0	97.9	88.3	70.0	44.7	27.6	16.3	69.1	566
21-23	100.0	100.0	100.0	100.0	100.0	96.2	78.8	55.8	23.1	79.8	52
ALL HOURS	100.0	100.0	99.1	91.4	76.7	58.6	42.2	29.3	16.0	66.0	4383

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: SEP

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	97.5	4
03-05	100.0	100.0	100.0	100.0	100.0	98.4	95.2	86.6	45.5	87.9	187
06-08	100.0	100.0	100.0	100.0	99.5	97.2	87.3	67.9	29.1	83.0	825
09-11	100.0	100.0	99.9	96.9	80.6	55.9	35.0	21.3	10.3	64.5	844
12-14	100.0	99.9	98.0	81.5	50.1	31.1	20.2	13.1	6.5	54.6	842
15-17	100.0	100.0	97.8	79.6	55.6	34.6	21.8	14.6	6.8	55.6	780
18-20	100.0	100.0	99.6	98.1	90.8	77.2	54.2	33.3	14.5	71.4	531
21-23	100.0	100.0	100.0	100.0	100.0	91.1	80.0	55.6	20.0	78.2	45
ALL HOURS	100.0	100.0	99.1	91.4	75.8	60.3	45.9	32.8	15.0	66.7	4058

MONTH: OCT

00-02	100.0	100.0	100.0	100.0	100.0	50.0				61.0	2
03-05	100.0	100.0	100.0	100.0	98.7	94.9	78.8	56.4	21.8	79.9	156
06-08	100.0	100.0	100.0	99.4	97.7	89.1	70.7	46.2	20.7	77.2	837
09-11	100.0	100.0	98.9	88.2	68.3	49.7	32.7	20.7	10.1	61.2	883
12-14	100.0	98.9	89.4	66.3	43.1	29.0	20.1	11.7	6.6	50.9	879
15-17	100.0	99.0	89.4	69.9	47.9	33.1	22.8	14.7	7.3	52.9	821
18-20	100.0	100.0	99.6	95.2	82.9	61.7	44.7	26.6	11.4	67.0	561
21-23	100.0	100.0	100.0	98.0	94.1	70.6	52.9	39.2	7.8	70.4	51
ALL HOURS	100.0	99.6	95.4	83.8	68.3	53.5	39.3	25.1	11.5	62.2	4190

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: NOV

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 10%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02										.0	0
03-05	100.0	100.0	100.0	100.0	33.3	33.3				53.7	3
06-08	100.0	100.0	100.0	98.3	89.0	71.9	57.7	34.9	13.4	71.5	648
09-11	100.0	100.0	98.3	85.9	63.3	48.1	34.7	22.8	11.2	61.2	807
12-14	100.0	99.1	91.2	67.7	45.5	34.6	24.9	17.9	8.3	53.7	803
15-17	100.0	99.1	90.6	70.8	49.9	37.0	24.9	17.5	9.1	54.4	759
18-20	100.0	100.0	98.8	91.5	72.7	52.4	38.5	23.3	11.1	63.4	597
21-23	100.0	100.0	100.0	95.9	77.6	57.1	32.7	20.4	[illegible]	63.7	98
ALL HOURS	100.0	99.6	95.6	82.2	63.1	48.0	35.1	22.8	10.4	60.4	3715

MONTH: DEC

00-02										.0	0
03-05										.0	0
06-08	100.0	100.0	99.4	95.2	84.2	68.8	49.1	29.3	11.6	68.4	692
09-11	100.0	99.9	96.9	85.1	65.8	46.2	31.2	18.3	6.8	59.9	847
12-14	100.0	99.5	89.8	66.4	43.7	31.6	21.7	14.1	5.4	52.0	830
15-17	100.0	99.3	89.7	70.1	48.9	33.7	23.9	14.9	6.7	53.5	760
18-20	100.0	100.0	96.4	85.6	67.3	47.2	32.9	17.8	6.5	60.2	557
21-23	100.0	100.0	94.5	87.7	76.7	60.3	35.6	11.0	4.1	62.0	73
ALL HOURS	100.0	99.7	94.2	79.9	61.3	45.0	31.3	18.5	7.3	58.5	3759

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5 MONTH: ALL

HOURS LST	RELATIVE HUMIDITY GREATER THAN OR EQUAL TO 0%	20%	30%	40%	50%	60%	70%	80%	90%	MEAN	TOTAL OBS
00-02	100.0	100.0	100.0	100.0	100.0	71.4	50.0	50.0	42.9	78.1	14
03-05	100.0	100.0	100.0	99.8	98.4	95.3	88.1	73.9	43.0	85.0	1222
06-08	100.0	100.0	99.3	96.4	89.3	78.5	61.8	41.9	20.4	73.6	9335
09-11	100.0	99.5	94.8	83.1	64.6	45.7	30.7	19.4	9.9	59.5	10348
12-14	100.0	97.8	87.4	66.4	44.5	30.3	21.1	13.9	7.4	51.5	10302
15-17	100.0	97.2	86.0	65.9	46.0	31.4	22.1	15.0	7.9	51.9	9678
18-20	100.0	99.0	94.4	83.6	67.6	50.2	34.8	21.6	11.3	61.0	7026
21-23	100.0	99.9	97.8	91.7	80.4	63.5	45.6	28.3	13.1	66.8	770
ALL HOURS	100.0	98.7	92.5	79.3	62.9	48.1	35.2	23.5	12.1	60.0	48695

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT      FFFFFFFFFF
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT      FFFFFFFFFF
PP      PP     AA      AA   RR      RR        TT          FF
PP      PP     AA      AA   RR      RR        TT          FF
PPPPPPPPP      AA      AA   RRRRRRRRR         TT          FFFFFF
PPPPPPPP       AAAAAAAAAA   RRRRRRRR          TT          FFFFFF
PP             AAAAAAAAAA   RR    RR          TT          FF
PP             AA      AA   RR     RR         TT          FF
PP             AA      AA   RR      RR        TT          FF
PP             AA      AA   RR       RR       TT          FF
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PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).

- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).

- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.
IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.
IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.0	.0	.0	1019.2	.0	1008.5	.0	.0	1016.7	.0	.0	.0	1014.8
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	4.570
	TOT OBS	0	0	0	1	0	1	0	0	1	0	0	0	3
0400	MEAN	.0	1009.1	1018.1	.0	1016.2	1019.3	.0	.0	1013.7	1020.0	.0	.0	1016.5
	SD	.000	.000	.000	.000	7.654	.000	.000	.000	.000	7.250	.000	.000	6.492
	TOT OBS	0	1	1	0	3	1	0	0	1	2	0	0	9
0700	MEAN	1015.9	1018.3	1016.7	1014.5	1015.2	1014.2	1015.4	1016.8	1019.0	1019.7	1016.7	1017.7	1016.7
	SD	11.137	9.960	11.028	9.162	6.700	6.116	5.262	5.353	6.600	8.949	10.646	10.260	8.750
	TOT OBS	255	239	275	286	284	292	288	303	281	289	234	252	3278
1000	MEAN	1017.0	1018.4	1016.7	1014.3	1015.1	1014.0	1015.2	1016.7	1019.0	1019.8	1017.3	1018.4	1016.8
	SD	11.098	10.329	10.813	9.016	6.394	6.144	5.275	5.421	6.719	9.023	10.701	10.267	8.877
	TOT OBS	292	269	306	290	284	292	287	305	281	294	269	282	3451
1300	MEAN	1014.8	1016.8	1015.2	1013.0	1014.0	1013.1	1014.3	1015.7	1017.6	1018.3	1015.5	1016.5	1015.4
	SD	10.939	10.156	10.472	8.800	6.277	6.077	5.313	5.344	6.714	8.776	10.401	9.900	8.647
	TOT OBS	290	266	305	290	284	292	286	304	281	293	268	275	3434
1600	MEAN	1014.7	1016.4	1014.5	1012.2	1013.3	1012.4	1013.4	1015.1	1017.1	1017.9	1015.6	1016.9	1014.9
	SD	10.840	9.863	9.967	8.603	6.176	6.007	5.285	5.237	6.352	8.643	10.015	9.445	8.466
	TOT OBS	276	256	295	264	269	272	268	281	256	269	257	259	3222
1900	MEAN	1015.5	1017.9	1015.4	1013.2	1014.2	1013.0	1013.5	1015.4	1017.4	1019.5	1016.4	1017.7	1015.8
	SD	10.903	9.845	9.926	8.947	6.286	5.448	5.231	4.751	6.208	8.459	9.660	9.516	8.674
	TOT OBS	247	226	259	207	179	174	173	179	173	191	224	209	2441
2200	MEAN	1018.2	1023.3	1014.4	1015.3	1011.8	1016.5	1015.0	1013.7	1019.5	1014.6	1015.4	1015.1	1016.7
	SD	6.400	7.350	6.310	7.952	1.050	4.622	3.459	3.756	8.075	6.099	9.230	7.166	7.781
	TOT OBS	17	15	10	9	2	5	3	7	6	5	25	18	122
ALL HOURS	MEAN	1015.6	1017.6	1015.7	1013.5	1014.4	1013.4	1014.5	1016.0	1018.1	1019.0	1016.3	1017.4	1015.9
	SD	10.975	10.067	10.468	8.942	6.421	6.043	5.337	5.308	6.608	8.828	10.311	9.898	8.710
	TOT OBS	1377	1272	1451	1347	1305	1329	1305	1379	1280	1343	1277	1295	15960

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: PORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	30.08	.00	29.77	.00	.00	30.02	.00	.00	.00	29.96
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.134
	TOT OBS	0	0	0	1	0	1	0	0	1	0	0	0	3
0400	MEAN	.00	29.80	30.05	.00	30.01	30.09	.00	.00	29.93	30.12	.00	.00	30.01
	SD	.000	.000	.000	.000	.231	.000	.000	.000	.000	.210	.000	.000	.192
	TOT OBS	0	1	1	0	3	1	0	0	1	2	0	0	9
0700	MEAN	29.99	30.06	30.01	29.95	29.98	29.95	29.98	30.02	30.09	30.11	30.01	30.04	30.02
	SD	.327	.292	.326	.270	.189	.179	.155	.157	.194	.262	.311	.301	.256
	TOT OBS	255	240	275	286	284	292	288	303	281	289	234	252	3279
1000	MEAN	30.02	30.06	30.01	29.94	29.97	29.94	29.98	30.02	30.09	30.11	30.03	30.06	30.02
	SD	.326	.303	.318	.266	.188	.181	.155	.159	.197	.265	.314	.301	.261
	TOT OBS	292	269	306	290	284	292	287	305	281	294	269	282	3451
1300	MEAN	29.96	30.01	29.97	29.91	29.94	29.91	29.95	29.99	30.05	30.06	29.98	30.01	29.98
	SD	.322	.298	.308	.259	.184	.179	.156	.157	.197	.258	.306	.291	.254
	TOT OBS	290	266	305	290	284	292	286	305	281	293	268	275	3435
1600	MEAN	29.95	30.00	29.95	29.89	29.92	29.89	29.93	29.98	30.03	30.05	29.98	30.02	29.97
	SD	.318	.290	.293	.254	.182	.176	.156	.154	.187	.254	.295	.278	.249
	TOT OBS	276	256	295	264	269	272	268	281	256	269	256	259	3221
1900	MEAN	29.97	30.05	29.97	29.91	29.95	29.91	29.93	29.99	30.04	30.10	30.01	30.04	29.99
	SD	.320	.289	.292	.264	.185	.159	.154	.140	.182	.249	.286	.279	.255
	TOT OBS	247	226	259	207	179	174	173	179	173	191	225	209	2442
2200	MEAN	30.05	30.20	29.95	29.98	29.88	30.02	29.97	29.93	30.10	29.96	29.97	29.96	30.01
	SD	.186	.217	.181	.232	.030	.134	.105	.108	.238	.178	.271	.210	.227
	TOT OBS	17	15	10	9	2	5	3	7	6	5	25	18	122
ALL HOURS	MEAN	29.98	30.04	29.98	29.92	29.95	29.92	29.96	30.00	30.06	30.09	30.00	30.03	29.99
	SD	.322	.295	.308	.263	.187	.177	.157	.156	.194	.259	.303	.291	.256
	TOT OBS	1377	1273	1451	1347	1305	1329	1305	1380	1280	1343	1277	1295	15962

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: MAY 80 - APR 90
LST TO UTC: + 5

HOURS (LST)	STATS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
0100	MEAN	.00	.00	.00	29.78	29.48	.00	.00	.00	29.72	.00	.00	.00	29.66
	SD	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.130
	TOT OBS	0	0	0	1	1	0	0	0	1	0	0	0	3
0400	MEAN	.00	29.51	29.75	.00	29.71	29.79	.00	.00	29.64	29.82	.00	.00	29.72
	SD	.000	.000	.000	.000	.226	.000	.000	.000	.000	.205	.000	.000	.187
	TOT OBS	0	1	1	0	3	1	0	0	1	2	0	0	9
0700	MEAN	29.69	29.75	29.73	29.65	29.68	29.65	29.69	29.73	29.79	29.81	29.71	29.75	29.72
	SD	.326	.291	.320	.267	.186	.175	.151	.154	.190	.261	.303	.295	.253
	TOT OBS	254	240	273	280	283	292	289	301	285	295	233	257	3282
1000	MEAN	29.72	29.76	29.72	29.65	29.68	29.65	29.68	29.72	29.79	29.81	29.74	29.77	29.72
	SD	.322	.299	.314	.262	.184	.177	.151	.155	.194	.262	.310	.298	.257
	TOT OBS	292	269	306	290	284	292	287	305	281	294	269	282	3451
1300	MEAN	29.66	29.72	29.67	29.61	29.65	29.62	29.65	29.70	29.75	29.77	29.69	29.71	29.68
	SD	.318	.294	.304	.255	.181	.175	.152	.153	.194	.254	.302	.288	.250
	TOT OBS	290	266	305	290	284	292	286	305	281	293	268	275	3435
1600	MEAN	29.66	29.71	29.65	29.59	29.62	29.60	29.63	29.68	29.73	29.76	29.69	29.72	29.67
	SD	.314	.286	.289	.250	.178	.172	.152	.150	.183	.251	.291	.274	.245
	TOT OBS	276	256	295	264	269	272	268	281	256	269	256	259	3221
1900	MEAN	29.68	29.75	29.68	29.62	29.65	29.62	29.63	29.69	29.74	29.80	29.72	29.74	29.69
	SD	.316	.285	.288	.260	.181	.155	.151	.136	.178	.246	.282	.276	.251
	TOT OBS	247	226	259	207	179	174	173	179	173	191	225	209	2442
2200	MEAN	29.76	29.91	29.65	29.68	29.59	29.72	29.68	29.64	29.80	29.66	29.68	29.67	29.72
	SD	.183	.214	.177	.228	.030	.129	.100	.104	.236	.173	.267	.205	.223
	TOT OBS	17	15	10	9	2	5	3	7	6	5	25	18	122
ALL HOURS	MEAN	29.68	29.74	29.69	29.63	29.66	29.63	29.66	29.70	29.76	29.79	29.71	29.74	29.70
	SD	.319	.292	.304	.260	.183	.173	.153	.152	.190	.257	.298	.287	.252
	TOT OBS	1376	1273	1449	1341	1305	1328	1306	1378	1284	1349	1276	1300	15965

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          GGGGGG
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT         GGGGGGGG
PP      PP     AA     AA    RR      RR        TT            GG      GG
PP      PP     AA     AA    RR      RR        TT            GG
PPPPPPPPP      AA     AA    RRRRRRRRR         TT            GG
PPPPPPPP       AAAAAAAAAA   RRRRRRRR          TT            GG   GGGG
PP             AAAAAAAAAA   RR    RR          TT            GG   GGGGG
PP             AA     AA    RR     RR         TT            GG      GG
PP             AA     AA    RR      RR        TT             GGGGGGGG
PP             AA     AA    RR       RR       TT              GGGGGG
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PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				0				1				705	.1			876
CATEGORY B				0				2	1.3			783	4.4	1.1	.4	980

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.2			869	.2			818	.2			660				82
CATEGORY B	6.4	1.0	.1	962	5.6	1.1	.1	879	2.8	.4		675	6.1			82

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.2			3928	.1			4011
CATEGORY B	4.3	.8	.1	4279	4.3	.8	.1	4363

G - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				4				3				662	.1			805
CATEGORY B				4				3	1.8	.8		733	3.0	1.1	.5	877

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			800	.1			758				617				78
CATEGORY B	6.5	1.6	.6	859	3.3	.7		808	1.7	.2	.2	632				78

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			3642	.1			3727
CATEGORY B	3.4	.9	.3	3909	3.3	.9	.3	3994

G - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				0				2	.1			765	.1			918
CATEGORY B				0				2	2.3	.5	.1	870	6.3	1.1	.4	1051

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			916				873				714				87
CATEGORY B	7.5	1.7	.5	1026	7.0	1.6	.6	949	2.5	.3		734	1.1			88

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			4186	.1			4275
CATEGORY B	5.3	1.1	.3	4630	5.3	1.1	.3	4720

G - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				2				96				780	.1			870
CATEGORY B				2				123	2.3	.4		918	6.0	1.3	.1	992

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.3			871	.4			803	.2			596				69
CATEGORY B	8.0	1.9	.4	978	7.3	1.7	.6	867	3.7	.5		616	3.9	1.3		77

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.2			3920	.2			4087
CATEGORY B	5.6	1.2	.2	4371	5.4	1.2	.2	4573

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: MAY

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				1				191				834				852
CATEGORY B				1				220	.6			948	1.7			942

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				852	.1			815				548				43
CATEGORY B	2.8	.8		905	1.6	.1		880	.2			567				45

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.0			3901	.0			4136
CATEGORY B	1.5	.2		4242	1.4	.2		4508

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				1				194				859				876
CATEGORY B				1				225	.3			964	.7			984

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				874				825				547				51
CATEGORY B	1.5	.2		956	2.2			873	1.1	.2		554				51

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				3981				4227
CATEGORY B	1.1	.1		4331	1.1	.1		4608

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				0				190				846				861
CATEGORY B				0				211				955	.3			936

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				859				815				532				41
CATEGORY B	.9			919	1.0			875	.2			546				41

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				3913				4144
CATEGORY B	.5			4231	.5			4483

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				0				199				888				915
CATEGORY B				0				220				978	.8			997

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			912				853				566				52
CATEGORY B	1.7	.1	.1	978	1.0	.1		899	.7	.2		577				52

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.0			4134	.0			4385
CATEGORY B	.9	.1	.0	4429	.8	.1	.0	4701

G - 2 - 8

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				4				187				825				844
CATEGORY B				4				212				933	1.1	.1		912

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.2	.1		842				780				531				45
CATEGORY B	2.2	.3	.2	895	1.1	.2		814	.4	.2		544				46

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1	.0		3822	.0	.0		4058
CATEGORY B	1.0	.2	.0	4098	.9	.2	.0	4360

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				2				156				837	.1			883
CATEGORY B				2				170	.8	.1		910	3.4	.5	.1	951

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			879	.2			821				561				51
CATEGORY B	3.9	.4	.2	921	2.1	.6	.1	865	.9	.2		575				51

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			3981	.1			4190
CATEGORY B	2.3	.4	.1	4222	2.2	.4	.1	4445

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				0				3				648				807
CATEGORY B				0				3	1.4	.4	.3	714	4.8	1.0	.2	877

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				804				759				597				98
CATEGORY B	7.9	1.4	.4	849	3.3	.6	.2	807	2.3	.2		612	3.1			98

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				3615				3716
CATEGORY B	4.1	.8	.2	3859	4.1	.8	.2	3960

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				0				0				692				847
CATEGORY B				0				0	1.2	.3		730	3.3	.6	.1	886

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			830				760	.2			557				73
CATEGORY B	5.0	1.1	.1	874	3.8	.7	.1	809	3.4	.9	.3	581	2.7	1.4		73

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1			3686	.1			3759
CATEGORY B	3.4	.7	.1	3880	3.4	.7	.1	3953

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 032-212

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: MAY 80 - APR 90
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

TIME (LST)	0000 - 0200				0300 - 0500				0600 - 0800				0900 - 1100			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A				14				1222	.0			9341	.0			10354
CATEGORY B				14				1391	.9	.2	.0	10436	3.0	.6	.1	11385

TIME (LST)	1200 - 1400				1500 - 1700				1800 - 2000				2100 - 2300			
SPEED (KTS)	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1	.0		10308	.1			9680	.0			7026				770
CATEGORY B	4.5	.9	.2	11122	3.3	.6	.2	10325	1.7	.3	.0	7213	1.8	.3		782

TIME (LST)	0600 - 2000				ALL HOURS			
SPEED KTS	GE17	GE25	GE30	OBS	GE17	GE25	GE30	OBS
CATEGORY A	.1	.0		46709	.1	.0		48715
CATEGORY B	2.8	.5	.1	50481	2.7	.5	.1	52668

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PPPPPPPP        AAAAAA      RRRRRRRR      TTTTTTTTTT          HH      HH
PPPPPPPPP      AAAAAAAA     RRRRRRRRR     TTTTTTTTTT          HH      HH
PP      PP     AA      AA   RR      RR        TT              HH      HH
PP      PP     AA      AA   RR      RR        TT              HH      HH
PPPPPPPPP      AA      AA   RRRRRRRRR         TT              HHHHHHHHHH
PPPPPPPP       AAAAAAAAAA   RRRRRRRR          TT              HHHHHHHHHH
PP             AAAAAAAAAA   RR    RR          TT              HH      HH
PP             AA      AA   RR     RR         TT              HH      HH
PP             AA      AA   RR      RR        TT              HH      HH
PP             AA      AA   RR       RR       TT              HH      HH
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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POR (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA
LST TO UTC: + 5

PERIOD OF RECORD: JAN 61 - APR 90

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1961	****	****	****	****	****	****	****	****	****	****	691	1102	1793
1962	1256	1190	859	515	276	24	14	25	177	434	777	****	5547
MEAN	1256	1190	859	515	276	24	14	25	177	434	734	1102	
SD											60.81		

H - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 744905 STATION NAME: FORT DEVENS AIN MA PERIOD OF RECORD: JAN 61 - APR 90
LST TO UTC: + 5

YEARS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1961	****	****	****	****	****	****	****	****	****	****	2		2
1962				2	40	130	133	169	37			****	511
MEAN				2	40	130	133	169	37		1		
SD											1.41		

H - 3 - 1

A W S LIMITED CLIMATIC BRIEF SEP 91	STATION NAME: FORT DEVENS AIN MA LATITUDE/LONGITUDE: 42 34 N 071 36 W HOURLY OBS POR: MAY 80 - APR 90 SUMMARY OF DAY POR: OCT 60-SEP 63, JAN 74-APR 90 HOURS SUMMARIZED: 0600 - 2000 LST LST TO UTC: +05	FIELD ELEV: 269 FT STATION NSC: 744905 CALL SIGN: KAYE SUPERSEDES: AUG 85

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
EXTRM MAX TEMP (F)	61	70	86	95	96	99	100	102	94	87	76	69	102	20
MEAN MAX TEMP (F)	32	36	46	57	70	78	83	80	72	61	50	37	59	20
MEAN TEMP (F)	25	28	38	48	60	68	73	70	61	52	43	30	50	20
MEAN MIN TEMP (F)	17	19	29	39	50	58	63	60	51	42	35	23	41	20
EXTRM MIN TEMP (F)	-18	-17	3	13	30	40	42	38	28	21	12	-11	-18	20
D/W TEMP GE 90 (F)	0	0	0	1	1	2	6	3	1	0	0	0	14	20
D/W TEMP GE 80 (F)	0	0	#	1	6	14	22	17	5	1	0	0	66	20
D/W TEMP LT 33 (F)	28	24	20	5	1	0	0	0	1	5	12	26	122	20
D/W TEMP LT 0 (F)	2	2	0	0	0	0	0	0	0	0	0	1	5	20
HEATING DEGREE DAYS	1256	1190	859	515	276	24	14	25	177	434	734	1102	6606	30
COOLING DEGREE DAYS	0	0	0	2	40	130	133	169	37	0	1	0	512	30
MEAN DEWPOINT TEMP (F)	12	17	22	33	45	53	60	59	51	39	30	18	37	10
MEAN WET BULB TEMP (F)	22	27	33	42	53	60	66	64	57	46	39	28	45	10
99.95% WCPA (FT)	1200	1050	1150	1050	800	800	700	650	750	900	1100	1050	1000	10
MEAN REL HUM 07 LST(%)	63.9	67.6	66.0	73.2	74.0	74.3	77.3	81.8	83.0	77.2	71.5	68.4	73.6	10
MEAN REL HUM 13 LST(%)	50.1	49.1	46.6	51.4	50.3	52.6	52.9	54.7	54.6	50.9	53.7	52.0	51.5	10
MAX 24HR PRECIP (IN)	3.12	1.72	2.02	3.60	2.95	3.41	2.05	2.51	3.26	3.36	2.31	2.65	3.60	20
MAX PRECIP (IN)	11.27	7.16	11.11	11.12	9.83	11.75	6.42	6.90	9.94	9.24	9.84	6.69	64.36	20
MEAN PRECIP (IN)	3.83	3.07	3.77	4.20	3.30	3.85	3.56	3.86	3.92	4.48	4.41	3.87	45.78	20
MIN PRECIP (IN)	.77	.05	.50	1.90	.96	.83	1.05	1.02	.80	2.24	1.06	.86	35.46	20
D/W PRECIP GE .01 (IN)	10	9	10	12	12	11	11	10	10	10	10	10	125	20
D/W PRECIP GT .50 (IN)	3	2	3	3	2	2	3	3	3	3	4	3	34	20
MAX 24HR SNFL (IN)	22.2	23.0	12.0	9.0	1.5	0	0	0	0	4.3	12.0	21.3	23.0	20
MAX SNFL (IN)	50.0	34.0	33.2	14.0	1.5	0	0	0	0	4.8	12.0	27.3	95.0	20
MEAN SNFL (IN)	17.8	13.0	8.8	2.2	.1	0	0	0	0	.5	3.6	13.5	57.3	20
D/W SNFL GE .1 (IN)	7	5	4	1	#	0	0	0	0	1	1	5	24	20
D/W SNFL GE 1.5 (IN)	3	2	2	1	#	0	0	0	0	#	1	3	12	20
MAX DLY SNO DEPTH (IN)	28	29	17	12	2	0	0	0	0	3	9	22	29	20
PRVLNG WND DIR (DEG)	$29-31	$32-34	$32-34	$32-34	$35-01	$29-31	$20-22	$20-22	$20-22	$29-31	$29-31	$29-31	$29-31	10
MEAN WND SPD (KTS)	4	4	5	5	4	3	3	3	3	3	4	4	4	10
MAX WND SPD (KTS)	49	42	43	52	40	43	43	40	47	38	41	44	52	20
SKY COVER GT 5/10 (%)	55.9	60.6	59.2	67.7	69.9	62.2	60.3	57.2	55.4	53.1	61.8	61.1	60.3	10
D/W THUNDERSTORMS	0	1	1	1	2	3	4	3	1	1	#	#	17	20
D/W FOG (VSBY LT 7 MI)	10	9	10	11	13	13	14	17	15	14	11	10	147	20

LEGEND: ANN = ANNUAL
D/W = MEAN NUMBER OF DAYS WITH
& = BASED ON LESS THAN FULL MONTHS
** = INSTANTANEOUS PEAK WINDS
* = DATA NOT AVAILABLE

POR/YOR = PERIOD/YEARS OF RECORD
WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE
# = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE
$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION

PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY

MONTH	LST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN	YOR
	00 - 02	*	*		*	*	*	*	*	*	*	*	*	*	10
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	10
CIG	06 - 08	20.1	23.0	24.8	29.4	27.5	24.0	21.7	26.5	28.6	24.6	29.6	22.5	95.5	10
LT 3000 FT	09 - 11	20.3	21.9	23.0	27.2	23.7	21.0	17.4	17.4	21.1	19.4	23.0	19.6	21.2	10
AND/OR	12 - 14	18.5	21.0	22.1	24.8	19.7	18.4	13.0	14.7	18.3	18.0	20.8	19.9	19.1	10
VSBY	15 - 17	17.2	18.9	18.6	21.0	19.1	17.7	9.8	12.5	14.5	15.5	19.0	18.3	16.8	10
LT 3 MI	18 - 20	14.4	18.8	15.3	19.8	18.2	13.3	8.3	12.4	14.5	14.6	19.4	18.9	15.7	10
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	ALL	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	00 - 02	*	*		*	*	*	*	*	*	*	*	*	*	10
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	10
CIG	06 - 08	15.9	18.0	19.7	23.2	23.3	22.0	18.3	23.5	26.3	21.5	21.8	17.3	20.9	10
LT 1500 FT	09 - 11	16.2	16.8	17.4	19.7	17.3	17.0	12.4	12.8	17.8	14.3	16.5	15.2	16.1	10
AND/OR	12 - 14	12.3	15.6	15.4	14.9	14.1	14.1	6.9	9.1	12.4	11.0	13.6	14.3	12.8	10
VSBY	15 - 17	11.2	14.8	12.5	13.1	13.0	12.2	4.9	7.3	9.6	10.1	11.1	13.2	11.1	10
LT 3 MI	18 - 20	10.2	14.6	12.7	13.9	12.8	9.0	5.1	10.2	10.5	11.2	12.6	13.3	11.3	10
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	ALL	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	00 - 02	*	*		*	*	*	*	*	*	*	*	*	*	10
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	10
CIG	06 - 08	11.5	15.3	16.6	17.8	17.7	17.1	12.9	16.0	21.8	17.8	17.0	10.7	16.0	10
LT 1000 FT	09 - 11	10.4	13.9	13.5	13.8	12.9	12.4	7.8	9.1	13.9	11.3	13.0	11.6	12.0	10
AND/OR	12 - 14	8.7	12.0	10.6	10.4	9.3	10.3	4.5	5.7	9.0	8.2	11.7	11.3	9.3	10
VSBY	15 - 17	8.2	11.3	9.9	8.3	8.1	8.7	3.8	5.0	6.7	8.2	9.2	10.7	8.2	10
LT 2 MI	18 - 20	7.9	12.6	9.9	9.2	7.3	5.9	3.6	6.0	7.5	8.6	9.9	10.4	8.2	10
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	ALL	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	00 - 02	*	*		*	*	*	*	*	*	*	*	*	*	10
	03 - 05	*	*	*	*	*	*	*	*	*	*	*	*	*	10
CIG	06 - 08	3.8	4.1	3.7	2.8	2.3	1.5	1.7	2.3	5.5	5.0	4.2	1.7	3.2	10
LT 200 FT	09 - 11	3.2	3.2	1.9	.6	.5	.2	.1	.2	.5	1.6	2.6	2.0	1.4	10
AND/OR	12 - 14	2.2	1.5	1.0	.6	.0	.1	.0	.1	.1	.6	2.0	2.0	.8	10
VSBY	15 - 17	2.6	1.8	.7	1.0	.0	.2	.0	.1	.0	1.1	1.4	1.4	.9	10
LT 1/2 MI	18 - 20	2.4	2.6	2.0	1.5	.2	.0	.0	.0	.4	3.0	2.2	1.6	1.3	10
	21 - 23	*	*	*	*	*	*	*	*	*	*	*	*	*	10
	ALL	*	*	*	*	*	*	*	*	*	*	*	*	*	10

HURRICANES/TROPICAL STORMS OBSERVED FOR THE PERIOD : 1900 - 1986

HR/TS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
60NM	0/0	0/0	0/0	0/0	0/0	0/0	0/1	2/2	2/1	0/1	0/0	0/0	4/5
120NM	0/0	0/0	0/0	0/0	0/0	0/0	1/2	3/7	4/5	0/1	0/0	0/0	8/15
240NM	0/0	0/0	0/0	0/0	0/0	0/5	2/7	11/14	15/10	1/3	0/1	0/0	29/40

REMARKS : @

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